

APPENDIX REPORT

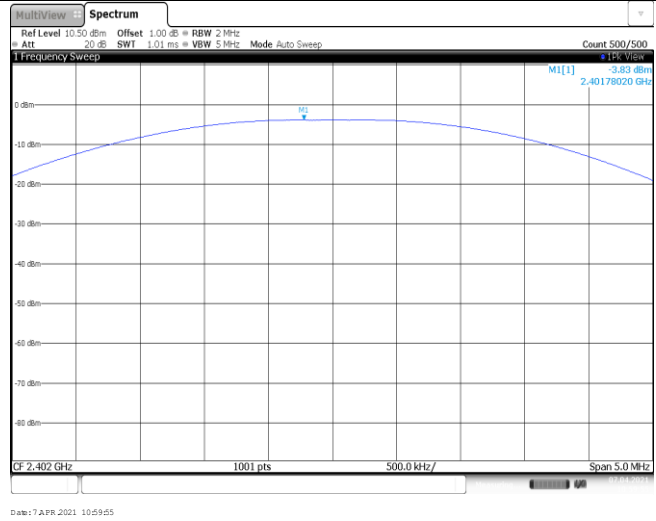
| | | | |
|-----------------|-----------------|---------------------|---------------|
| Project No. | SHT2103073003EW | Radio Specification | Bluetooth BLE |
| Test sample No. | YPHT21030730012 | Model No. | Y60 |
| Start test date | 2021-04-07 | Finish date | 2021-04-07 |
| Temperature | 24.1°C | Humidity | 37% |
| Test Engineer | Hailey Chen | Auditor | Xiaodong Zhu |

| Appendix clause | Test item | Result |
|-----------------|--|--------|
| A | Peak Output Power | PASS |
| B | Power Spectral Density | PASS |
| C | 6 dB Bandwidth | PASS |
| D | 99% Occupied Bandwidth | PASS |
| E | Duty cycle | PASS |
| F | Band edge and Spurious Emissions (conducted) | PASS |

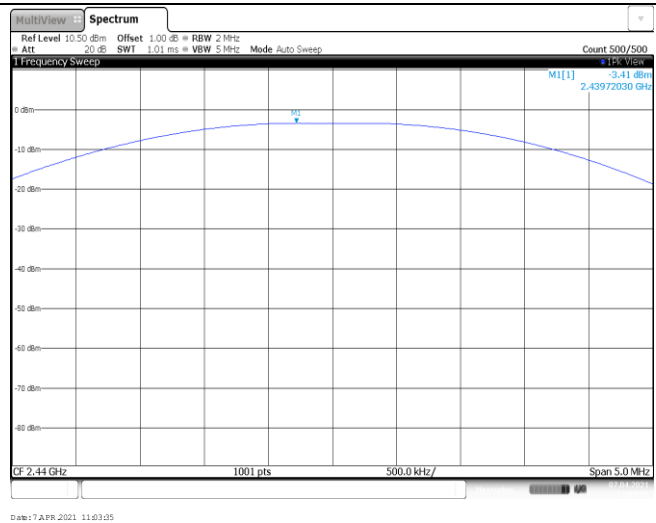
Appendix A: Peak Output Power

| Type | Channel | Output power (dBm) | Average Output power (dBm) | Limit (dBm) | Result |
|--------|---------|--------------------|----------------------------|-------------|--------|
| BT-BLE | 00 | -3.83 | -3.86 | ≤ 30.00 | Pass |
| | 19 | -3.41 | -3.46 | | |
| | 39 | -6.22 | -6.24 | | |

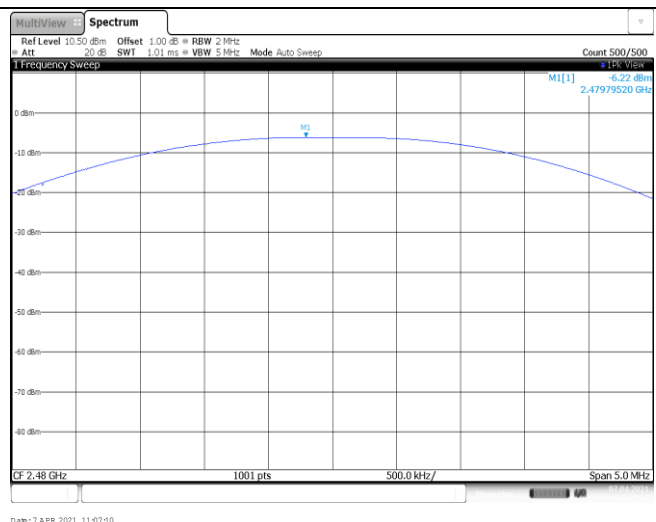
CH00



CH19



CH39



Appendix B: Power Spectral Density

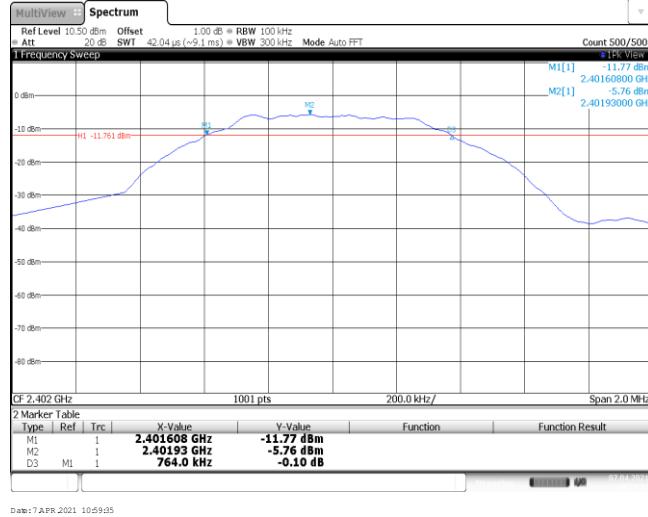
| Type | Channel | Power Spectral Density(dBm/3KHz) | Limit (dBm/3KHz) | Result |
|--------|---------|----------------------------------|------------------|--------|
| BT-BLE | 00 | -19.50 | ≤8.00 | Pass |
| | 19 | -18.99 | | |
| | 39 | -20.62 | | |

| | |
|-------------|--|
| <p>CH00</p> | <p>MultiView Spectrum Ref Level 10.50 dBm Offset 1.00 dB RBW 3 kHz Att 20 dB SWF 1.4 ms (->2.0 ms) VBW 10 kHz Mode Auto FFT Count 100/100 1 Frequency Sweep M1[1] -19.50 dBm 2.401745300 GHz 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm CF 2.402 GHz 1001 pts 100.0 kHz/ Span 1.0 MHz Date: 7 APR 2021 11:01:08</p> |
| <p>CH19</p> | <p>MultiView Spectrum Ref Level 10.50 dBm Offset 1.00 dB RBW 3 kHz Att 20 dB SWF 1.4 ms (->2.0 ms) VBW 10 kHz Mode Auto FFT Count 100/100 1 Frequency Sweep M1[1] -18.99 dBm 2.439745300 GHz 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm CF 2.44 GHz 1001 pts 100.0 kHz/ Span 1.0 MHz Date: 7 APR 2021 11:04:08</p> |
| <p>CH39</p> | <p>MultiView Spectrum Ref Level 10.50 dBm Offset 1.00 dB RBW 3 kHz Att 20 dB SWF 1.4 ms (->2.0 ms) VBW 10 kHz Mode Auto FFT Count 100/100 1 Frequency Sweep M1[1] -20.62 dBm 2.479745300 GHz 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm CF 2.48 GHz 1001 pts 100.0 kHz/ Span 1.0 MHz Date: 7 APR 2021 11:08:46</p> |

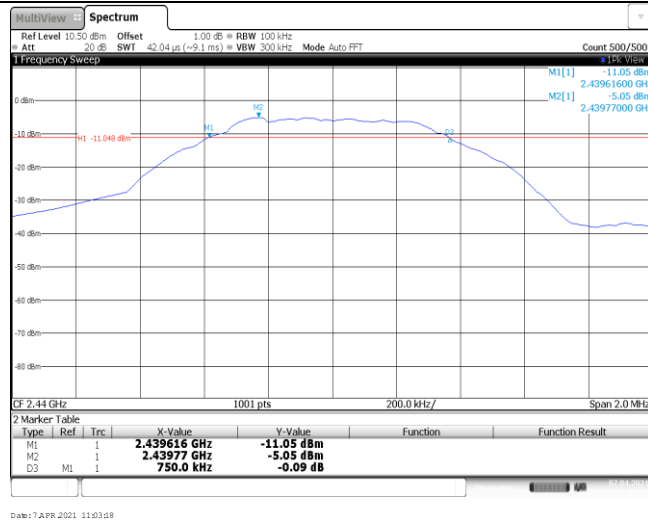
Appendix C: 6dB bandwidth

| Type | Channel | 6dB Bandwidth(kHz) | Limit (kHz) | Result |
|--------|---------|--------------------|-------------|--------|
| BT-BLE | 00 | 764.00 | ≥500 | Pass |
| | 19 | 750.00 | | |
| | 39 | 752.00 | | |

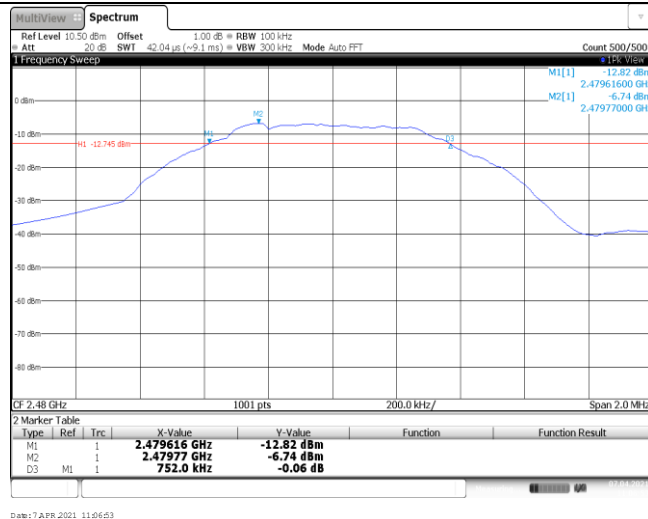
CH00



CH19



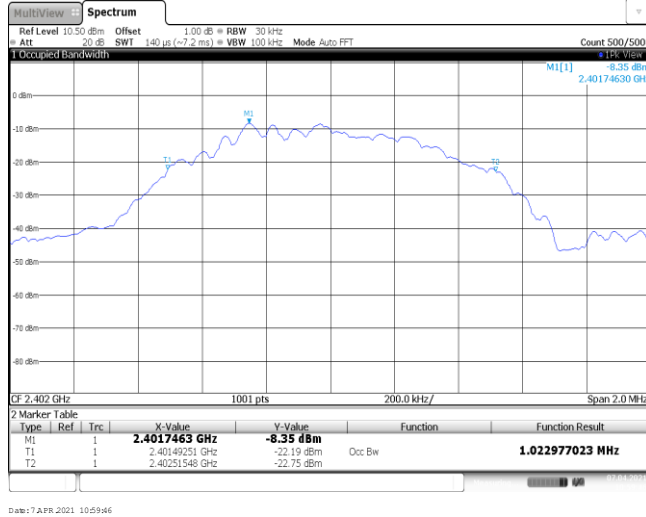
CH39



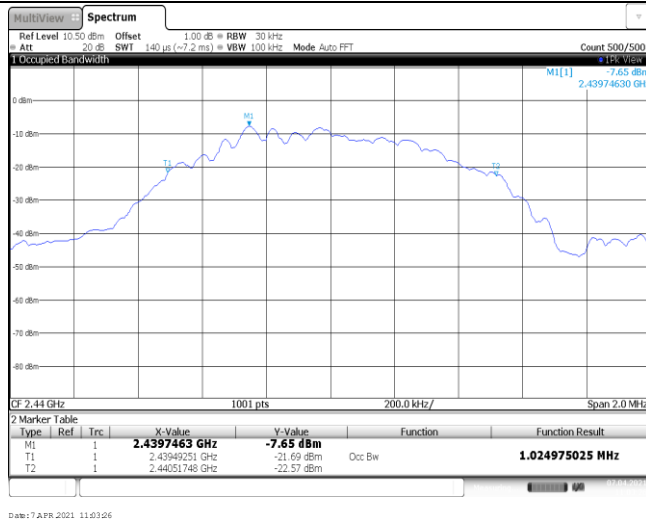
Appendix D: 99% Occupied Bandwidth

| Type | Channel | 99% Occupied Bandwidth(MHz) | Limit (kHz) | Result |
|--------|---------|-----------------------------|-------------|--------|
| BT-BLE | 00 | 1.02 | - | Pass |
| | 19 | 1.02 | | |
| | 39 | 1.02 | | |

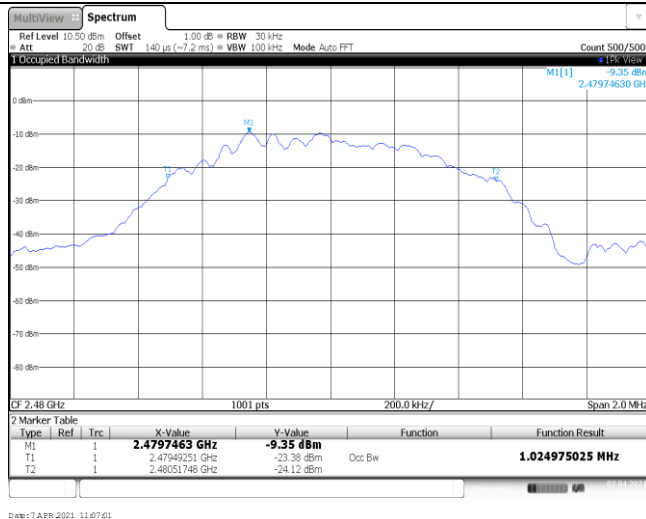
CH00



CH19

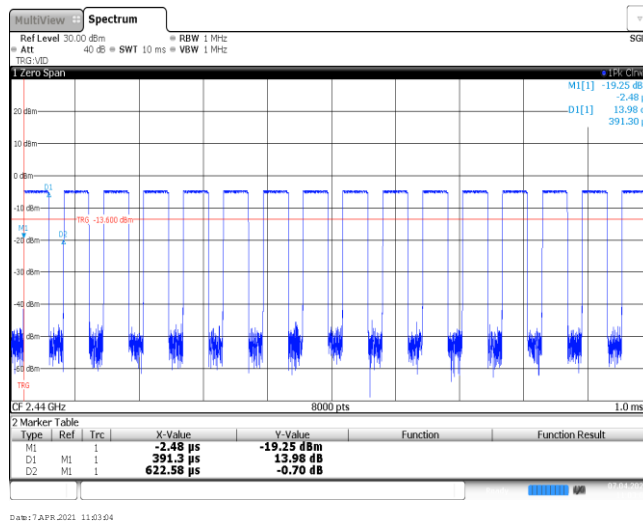


CH39

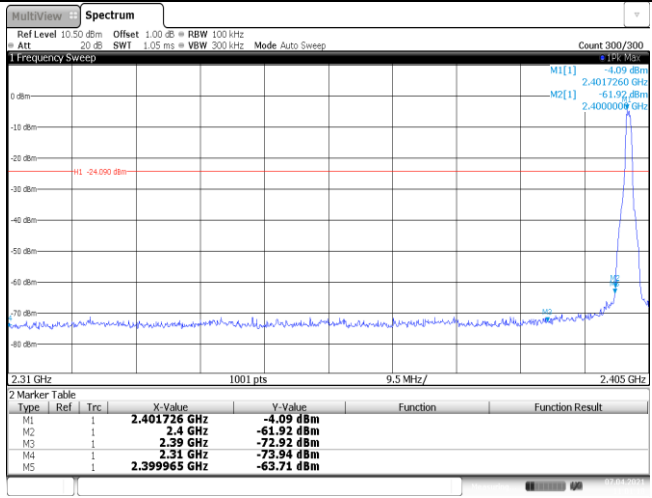
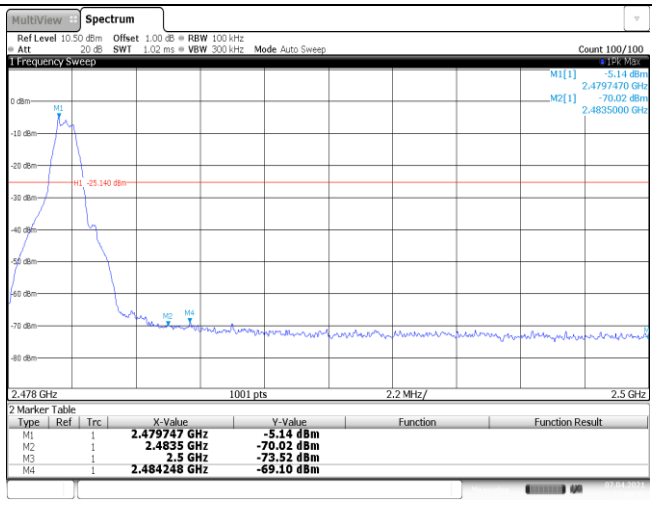


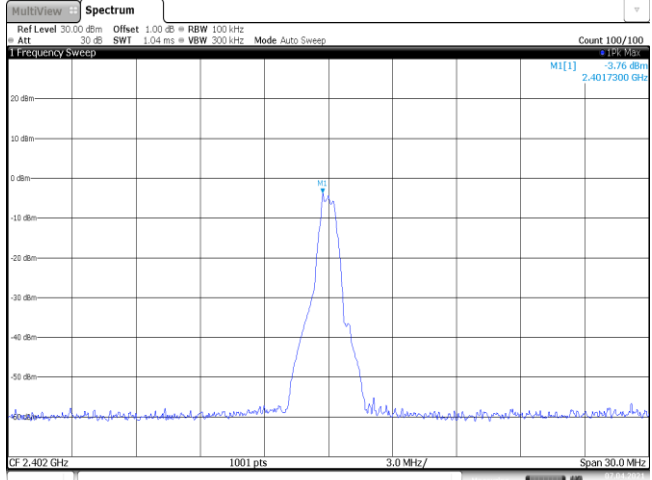
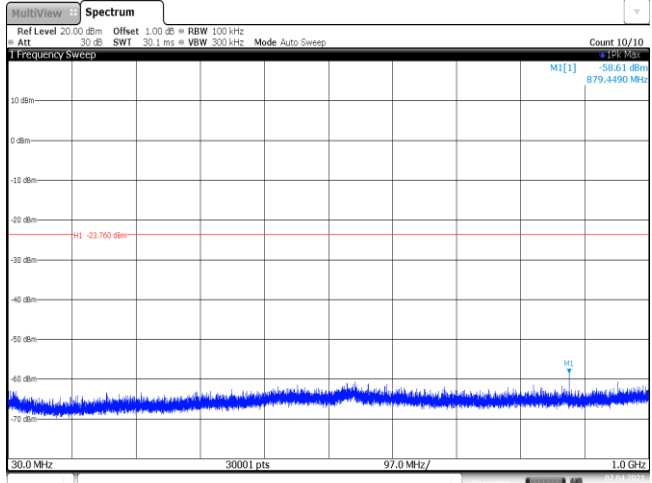
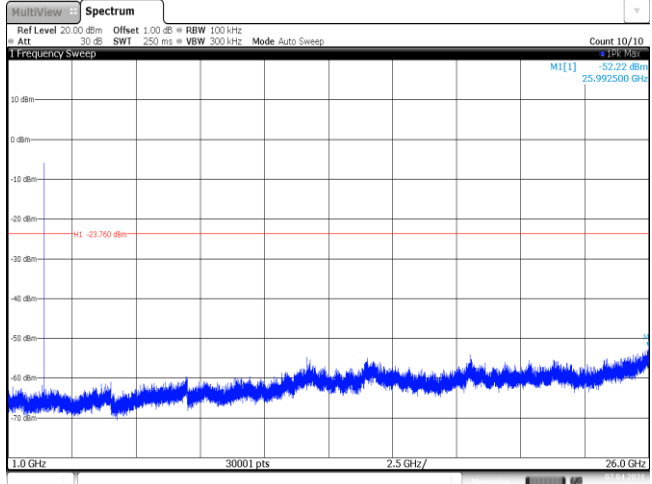
Appendix E: Duty cycle

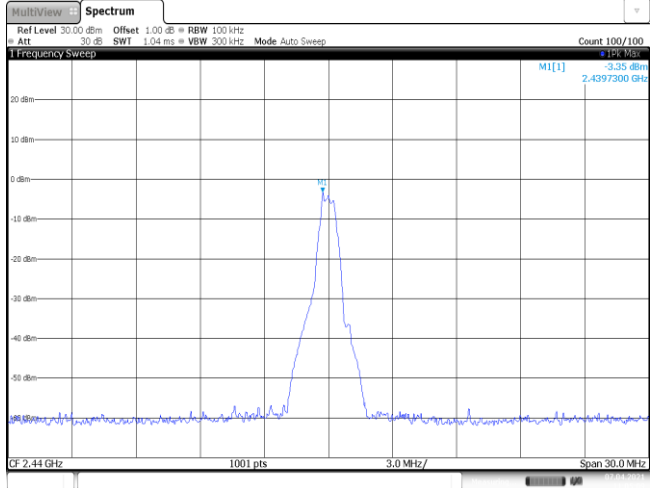
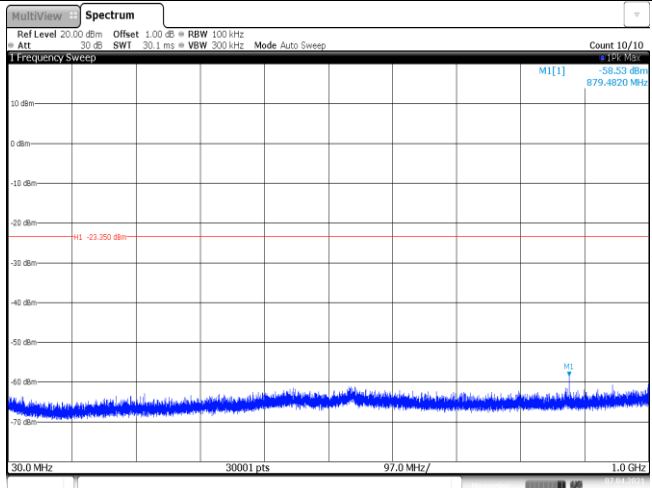
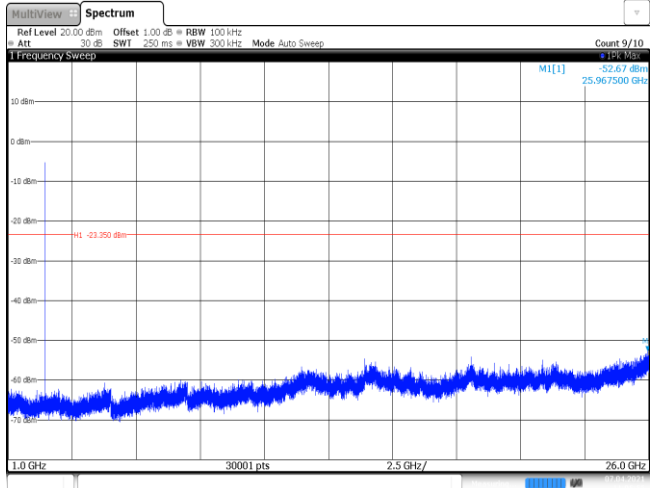
| Test Frequency (MHz) | T _{on} time for single burst (ms) | T _{period} (ms) | Duty cycle | 1/T _{on} time (kHz) |
|----------------------|--|--------------------------|------------|------------------------------|
| 2440 | 0.39 | 0.62 | 62.9% | 2.6 |

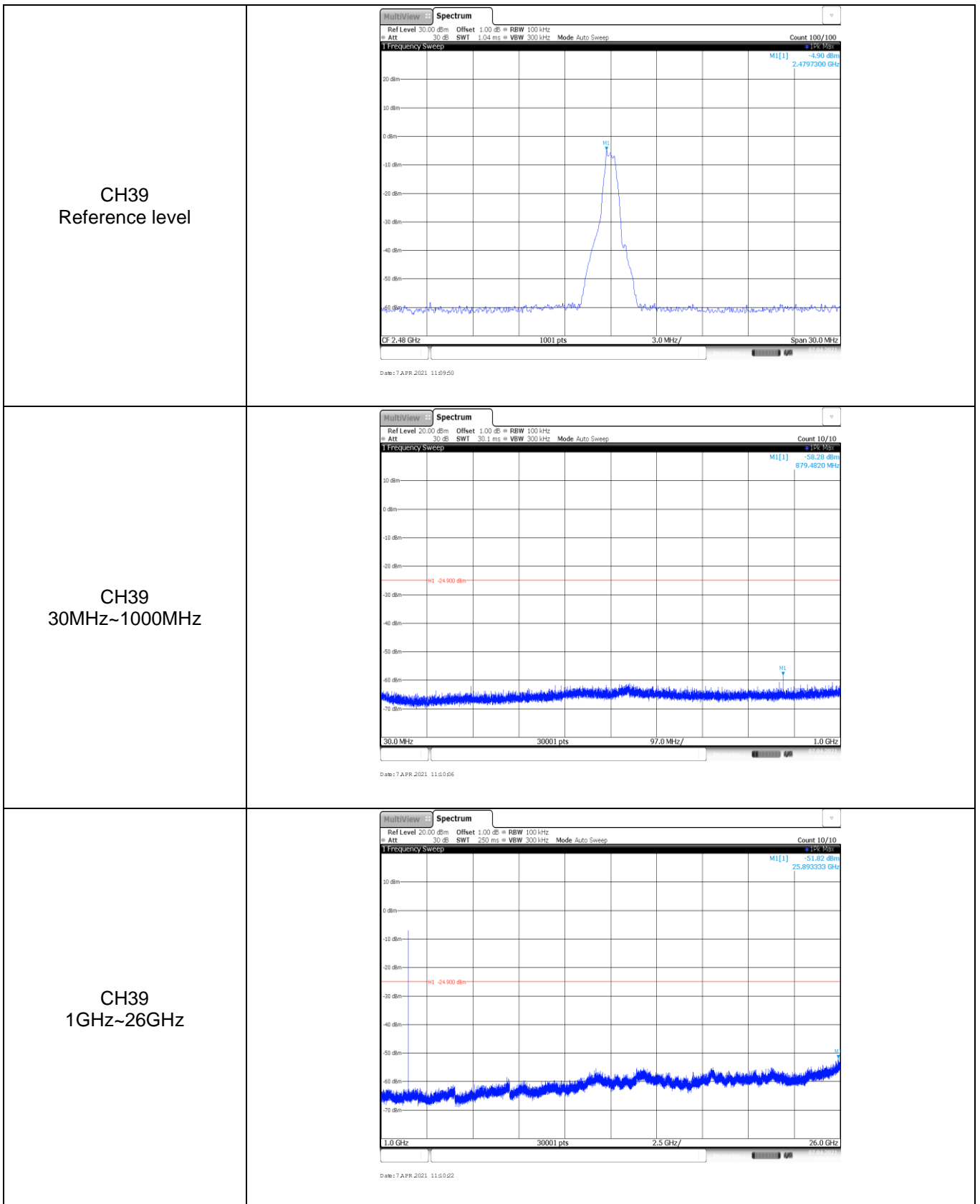


Appendix F: Band edge and Spurious Emissions (conducted)

| Test Item: | Band edge | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|------|--------------|------------|----------|-----------------|----------|-----------------|----|---|--|--------------|-----------|--|--|----|---|--|------------|------------|--|--|----|---|--|----------|------------|--|--|----|---|--|--------------|------------|--|--|----|---|--|--------------|------------|--|--|
| <p style="text-align: center;">CH00</p> |  <p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.401726 GHz</td> <td>-4.09 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-61.92 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-72.92 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-73.94 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399965 GHz</td> <td>-63.71 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 7 APR 2021 11:01:18</p> | Type | Ref | Trc | X-Value | Y-Value | Function | Function Result | M1 | 1 | | 2.401726 GHz | -4.09 dBm | | | M2 | 1 | | 2.4 GHz | -61.92 dBm | | | M3 | 1 | | 2.39 GHz | -72.92 dBm | | | M4 | 1 | | 2.31 GHz | -73.94 dBm | | | M5 | 1 | | 2.399965 GHz | -63.71 dBm | | |
| Type | Ref | Trc | X-Value | Y-Value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | | 2.401726 GHz | -4.09 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M2 | 1 | | 2.4 GHz | -61.92 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M3 | 1 | | 2.39 GHz | -72.92 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M4 | 1 | | 2.31 GHz | -73.94 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M5 | 1 | | 2.399965 GHz | -63.71 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p style="text-align: center;">CH39</p> |  <p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.479747 GHz</td> <td>-5.14 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4833 GHz</td> <td>-70.02 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-73.52 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.484248 GHz</td> <td>-69.10 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 7 APR 2021 11:08:56</p> | Type | Ref | Trc | X-Value | Y-Value | Function | Function Result | M1 | 1 | | 2.479747 GHz | -5.14 dBm | | | M2 | 1 | | 2.4833 GHz | -70.02 dBm | | | M3 | 1 | | 2.5 GHz | -73.52 dBm | | | M4 | 1 | | 2.484248 GHz | -69.10 dBm | | | | | | | | | |
| Type | Ref | Trc | X-Value | Y-Value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | | 2.479747 GHz | -5.14 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M2 | 1 | | 2.4833 GHz | -70.02 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M3 | 1 | | 2.5 GHz | -73.52 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M4 | 1 | | 2.484248 GHz | -69.10 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Test Item: | SE |
|---------------------------------|--|
| <p>CH00 Reference level</p> |  <p>Ref Level 30.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 M1[1] 3.76 dBm 2.4017300 GHz Date: 7 APR 2021 11:01:45</p> |
| <p>CH00 30MHz~1000MHz</p> |  <p>Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -58.61 dBm 879.4490 MHz H1 -23.760 dBm Date: 7 APR 2021 11:02:01</p> |
| <p>CH00 1GHz~26GHz</p> |  <p>Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -52.22 dBm 25.992500 GHz H1 -23.760 dBm Date: 7 APR 2021 11:02:25</p> |

| | |
|---------------------------------|--|
| <p>CH19 Reference level</p> |  <p>Ref Level 30.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWT 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 M1[1] -3.55 dBm 2.4397300 GHz CF 2.44 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 7 APR 2021 11:05:29</p> |
| <p>CH19 30MHz~1000MHz</p> |  <p>Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWT 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -58.53 dBm 879.4820 MHz M1 -63.950 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 7 APR 2021 11:05:25</p> |
| <p>CH19 1GHz~26GHz</p> |  <p>Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWT 250 ms VBW 300 kHz Mode Auto Sweep Count 9/10 M1[1] -52.67 dBm 25.967500 GHz M1 -63.950 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 7 APR 2021 11:05:55</p> |



-----End of Report-----