

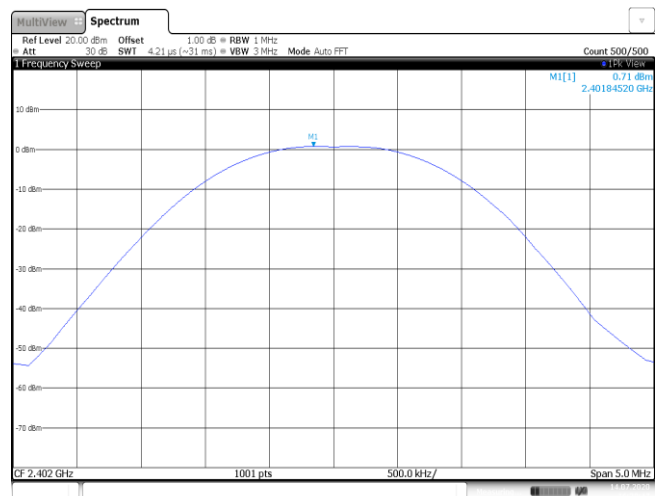
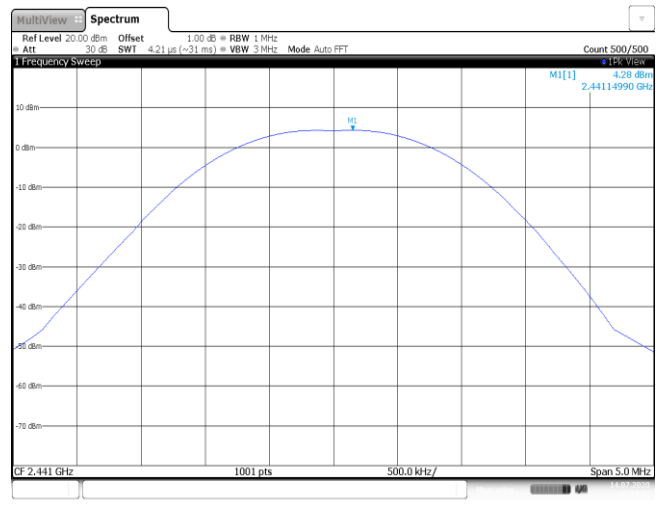
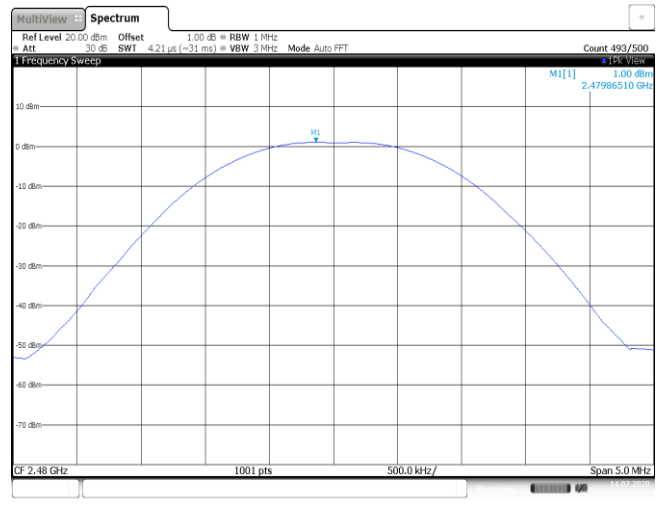
APPENDIX REPORT

| | | | |
|-----------------|------------------|---------------------|---------------|
| Project No. | SHT2006146102EW | Radio Specification | Bluetooth EDR |
| Test sample No. | YPHT20061461003, | Model No. | T450 |
| Start test date | 2020/7/10 | Finish date | 2020/7/20 |
| Temperature | 25°C | Humidity | 50% |
| Test Engineer | Caspar Chen | Auditor | Xiaodong Zheo |

| Appendix clause | Test item | Result |
|-----------------|--------------------------------------------|--------|
| A | Peak Output Power | Pass |
| B | 20 dB Bandwidth | Pass |
| C | 99% Occupied Bandwidth | Pass |
| D | Carrier Frequencies Separation | Pass |
| E | Hopping Channel Number | Pass |
| F | Dwell Time | Pass |
| G | Duty Cycle Correction Factor (DCCF) | Pass |
| H | Band edge and Spurious Emissions(coducted) | Pass |

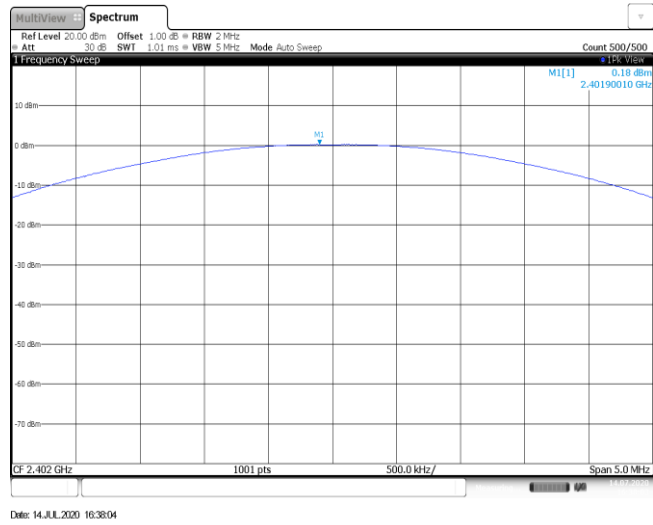
Appendix A: Peak Output Power

| Modulation type | Channel | Output power (dBm) | Average Output power (dBm) | Limit (dBm) | Result |
|-----------------|---------|--------------------|----------------------------|-------------|--------|
| GFSK | 00 | 0.71 | 0.68 | ≤ 30.00 | Pass |
| | 39 | 4.28 | 4.26 | | |
| | 78 | 1.00 | 0.97 | | |
| π/4DQPSK | 00 | 0.18 | -0.64 | ≤ 21.00 | Pass |
| | 39 | 3.65 | 2.91 | | |
| | 78 | 0.47 | -0.53 | | |
| 8DPSK | 00 | 0.26 | 3.17 | ≤ 21.00 | Pass |
| | 39 | 3.81 | 3.21 | | |
| | 78 | 0.48 | -0.51 | | |

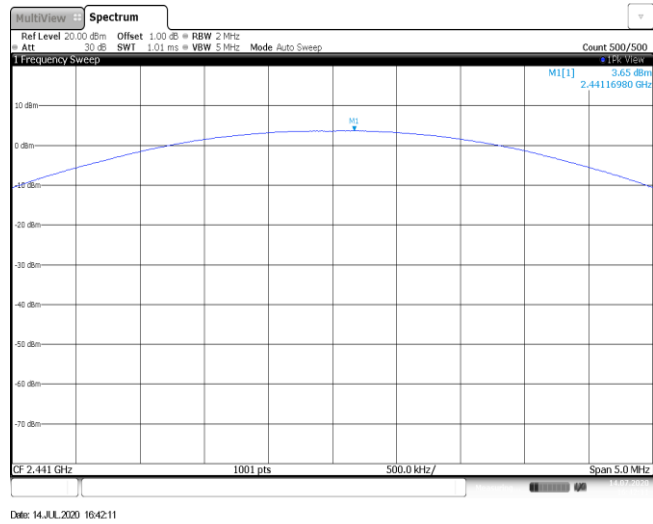
| Modulation Type: | GFSK |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>CH00</p> |  <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Att 30 dB SWI 4.21 us (~31 ms) VBW 3 MHz Mode Auto FFT Count 500/500 M1[1] 0.71 dBm 2.40184520 GHz CF 2.402 GHz 1001 pts 500.0 kHz/ Span 5.0 MHz Date: 14.JUL.2020 16:28:47</p> |
| <p>CH39</p> |  <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Att 30 dB SWI 4.21 us (~31 ms) VBW 3 MHz Mode Auto FFT Count 500/500 M1[1] 4.28 dBm 2.44114990 GHz CF 2.441 GHz 1001 pts 500.0 kHz/ Span 5.0 MHz Date: 14.JUL.2020 16:33:40</p> |
| <p>CH78</p> |  <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Att 30 dB SWI 4.21 us (~31 ms) VBW 3 MHz Mode Auto FFT Count 493/500 M1[1] 1.00 dBm 2.47986510 GHz CF 2.48 GHz 1001 pts 500.0 kHz/ Span 5.0 MHz Date: 14.JUL.2020 16:30:02</p> |

Modulation Type: $\pi/4$ DQPSK

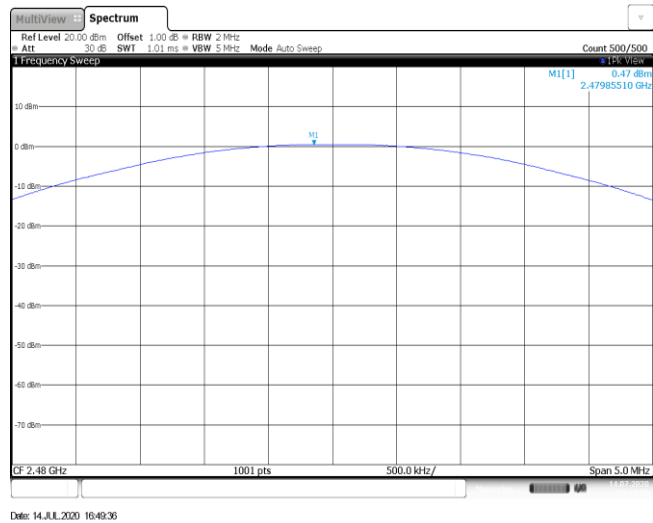
CH00



CH39

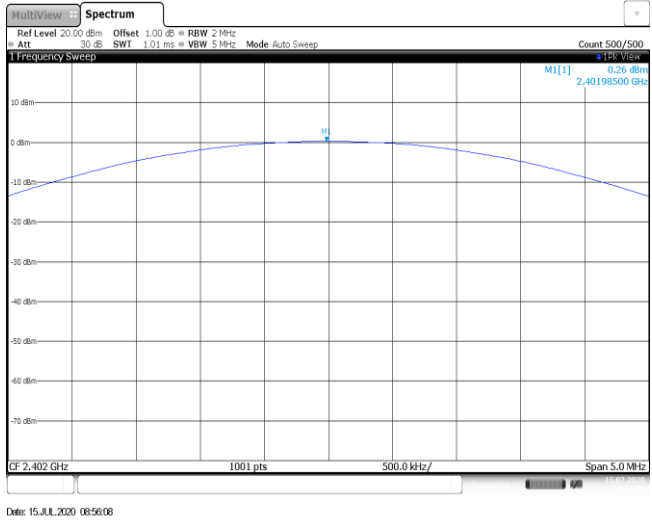


CH78



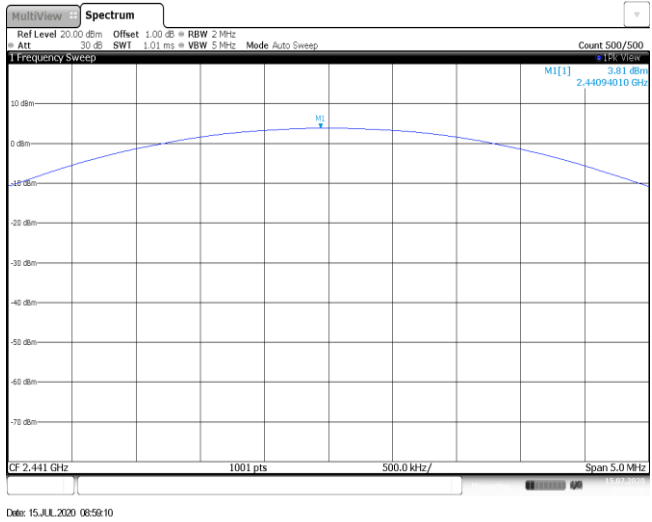
Modulation Type: 8DPSK

CH00



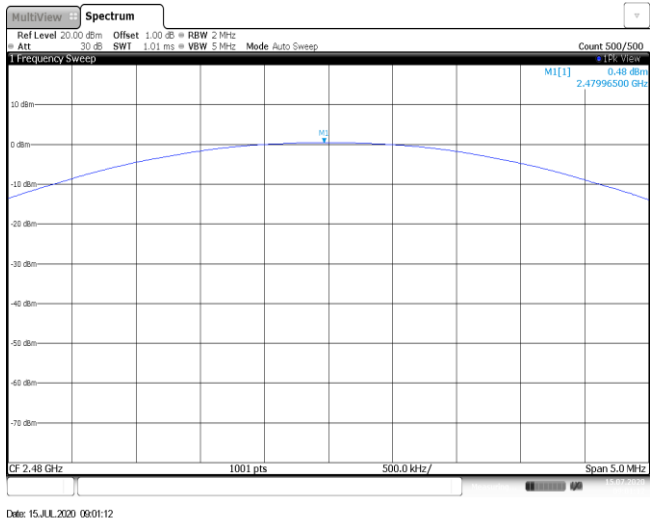
Date: 15.JUL.2020 08:58:08

CH39



Date: 15.JUL.2020 08:59:10

CH78



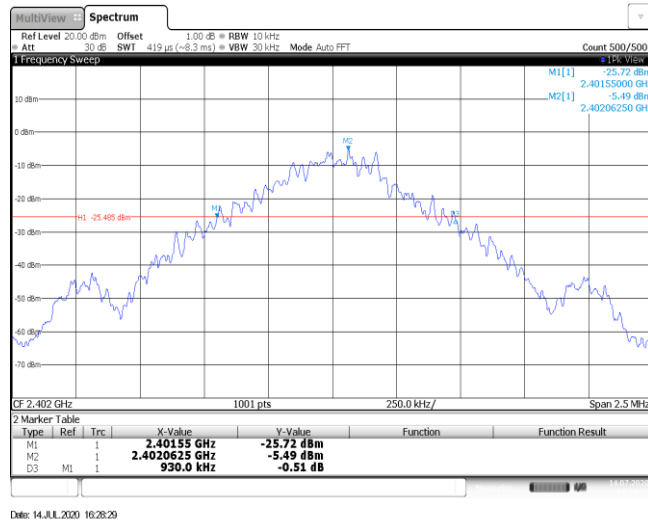
Date: 15.JUL.2020 09:01:12

Appendix B : 20 dB Bandwidth

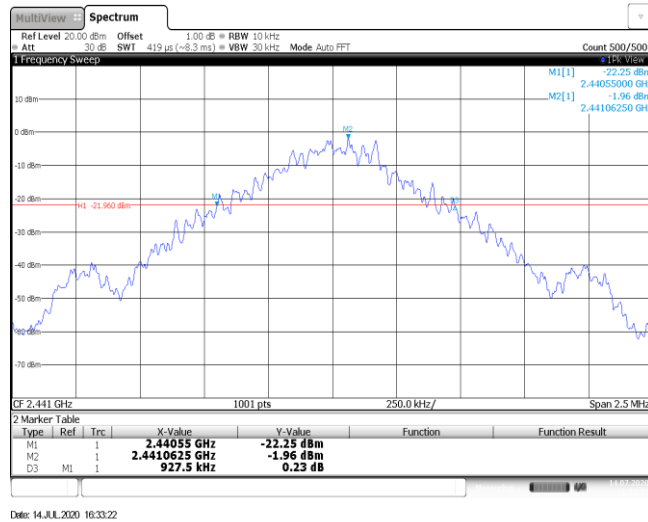
| Modulation type | Channel | 20 dB Bandwidth (kHz) | Limit (kHz) | Result |
|-----------------|---------|-----------------------|-------------|--------|
| GFSK | 00 | 930.00 | - | Pass |
| | 39 | 927.50 | | |
| | 78 | 930.00 | | |
| $\pi/4$ DQPSK | 00 | 1317.50 | - | Pass |
| | 39 | 1320.00 | | |
| | 78 | 1317.50 | | |
| 8DPSK | 00 | 1302.50 | - | Pass |
| | 39 | 1307.50 | | |
| | 78 | 1302.50 | | |

Modulation Type: GFSK

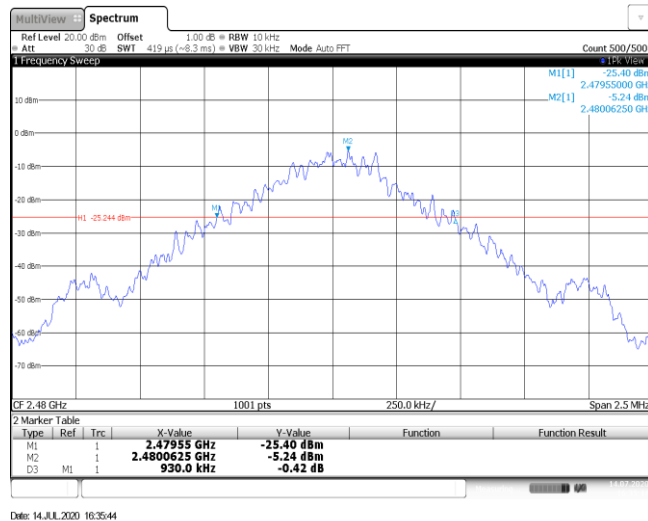
CH00



CH39

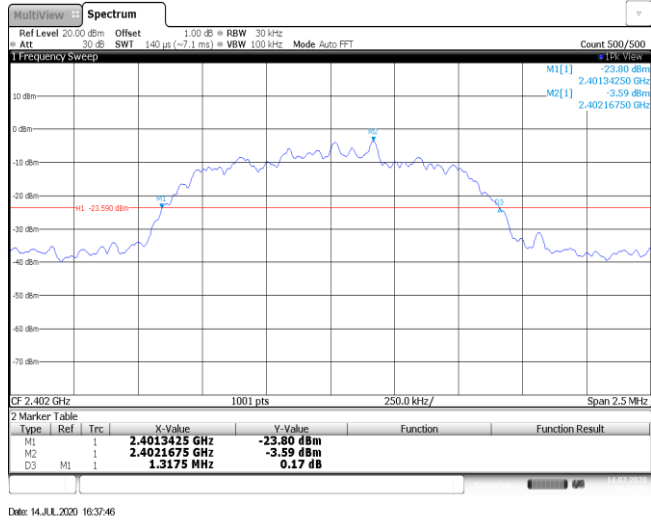


CH78

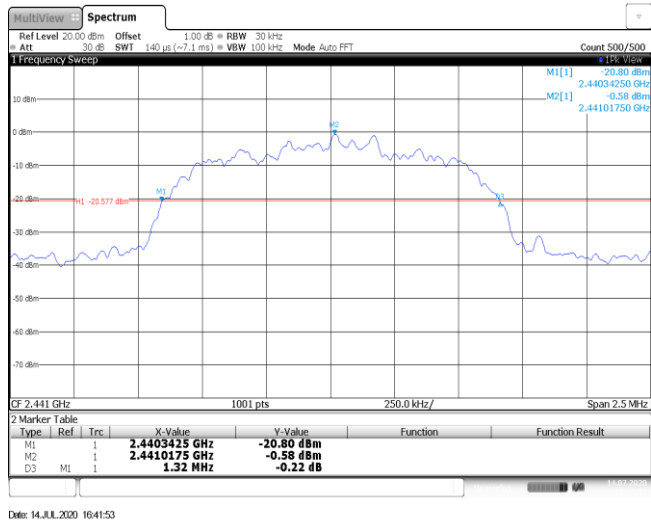


Modulation Type: $\pi/4$ DQPSK

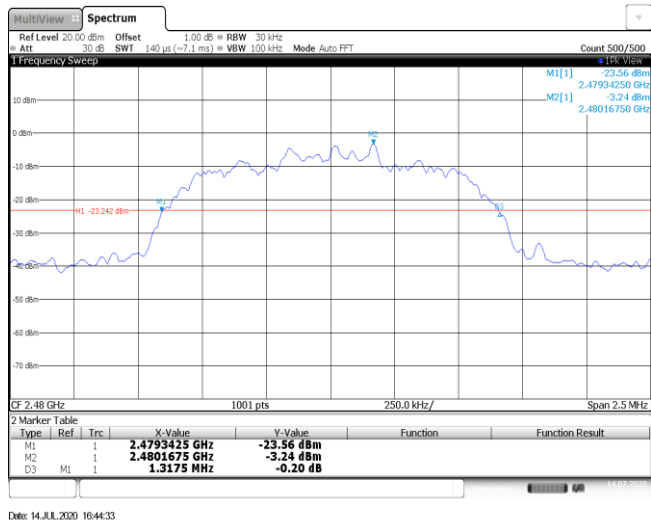
CH00



CH39

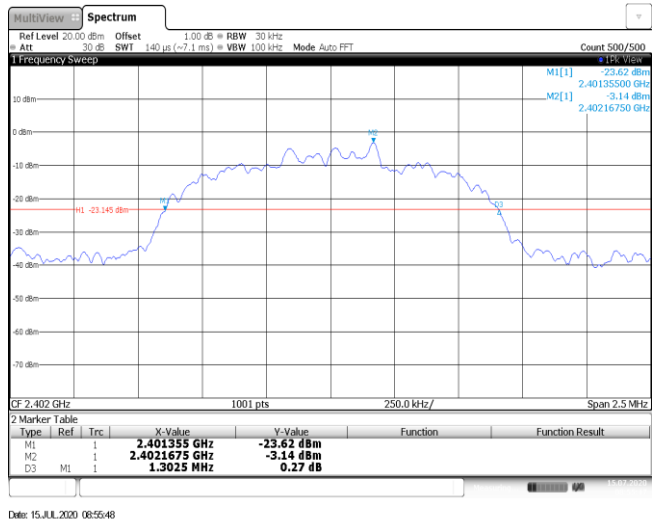


CH78

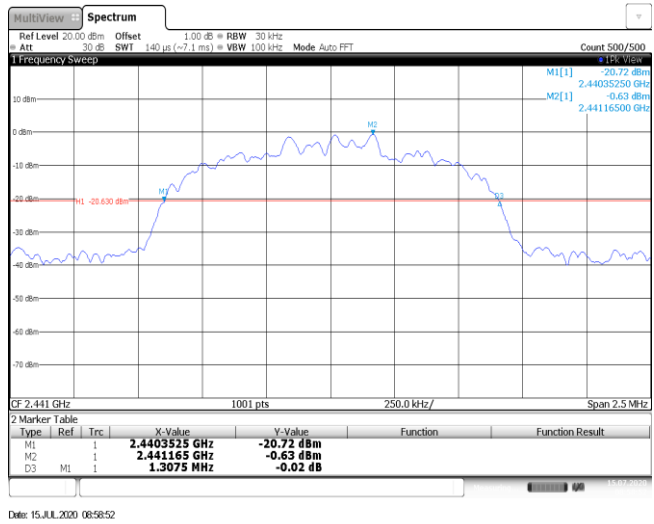


Modulation Type: 8DPSK

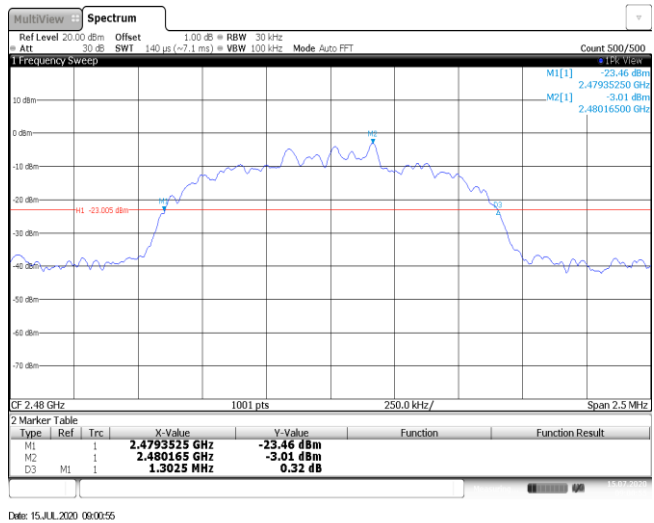
CH00



CH39



CH78

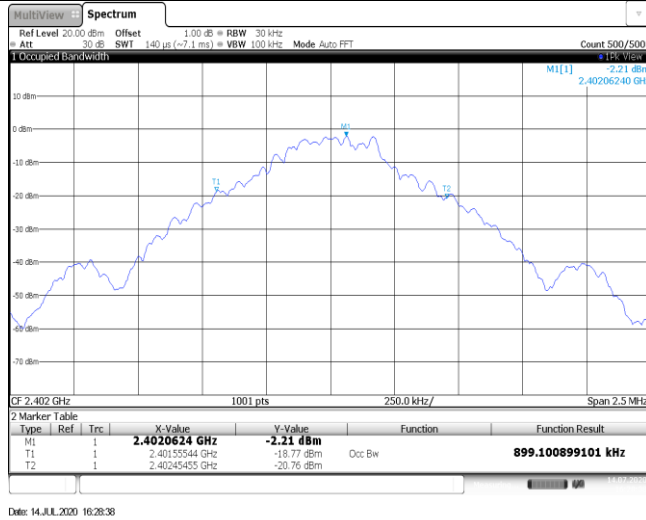


Appendix C: 99% Occupied Bandwidth

| Modulation type | Channel | 99% Occupied Bandwidth (MHz) | Limit (MHz) | Result |
|-----------------|---------|------------------------------|-------------|--------|
| GFSK | 00 | 0.90 | - | Pass |
| | 39 | 0.90 | | |
| | 78 | 0.91 | | |
| $\pi/4$ DQPSK | 00 | 1.20 | - | Pass |
| | 39 | 1.18 | | |
| | 78 | 1.19 | | |
| 8DPSK | 00 | 1.20 | - | Pass |
| | 39 | 1.19 | | |
| | 78 | 1.20 | | |

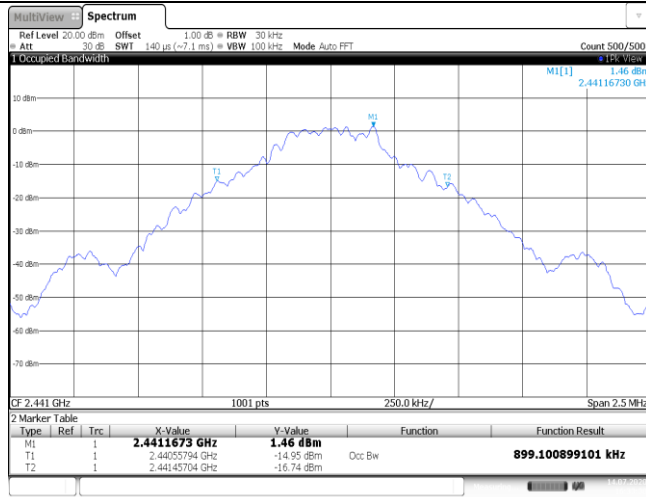
Modulation Type: GFSK

CH00



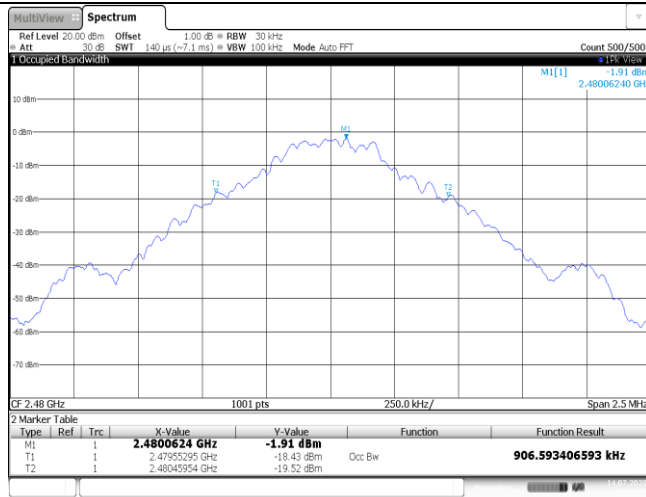
Date: 14.JUL.2020 16:28:38

CH39



Date: 14.JUL.2020 16:33:31

CH78

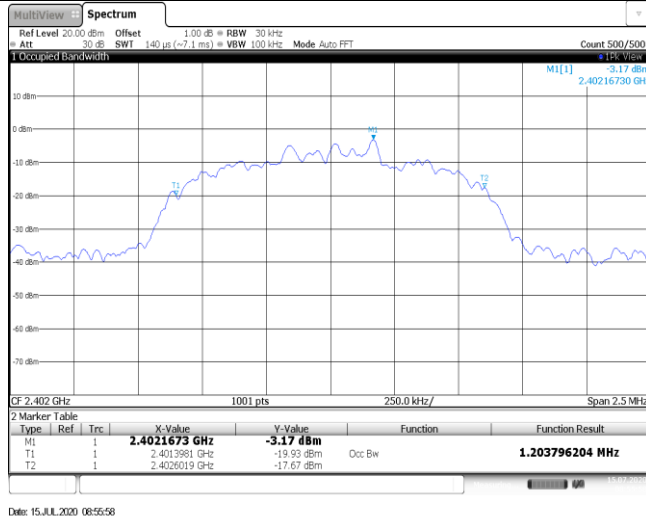


Date: 14.JUL.2020 16:35:53

| Modulation Type: | | $\pi/4$ DQPSK | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------|------------|----------|-----------------|---------|----------|-----------------|----|---|--|---------------|-----------|--|--|----|---|--|----------------|------------|--------|-----------------|----|---|--|---------------|------------|--|--|
| CH00 | <p>1 Occupied Bandwidth</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>2.4021673 GHz</td> <td>-3.33 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.40149359 GHz</td> <td>-17.52 dBm</td> <td>Occ BW</td> <td>1.198801199 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4028044 GHz</td> <td>-18.99 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 14.JUL.2020 16:37:54</p> | | Type | Ref | Trc | X-Value | Y-Value | Function | Function Result | M1 | 1 | | 2.4021673 GHz | -3.33 dBm | | | T1 | 1 | | 2.40149359 GHz | -17.52 dBm | Occ BW | 1.198801199 MHz | T2 | 1 | | 2.4028044 GHz | -18.99 dBm | | |
| Type | Ref | Trc | X-Value | Y-Value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | | 2.4021673 GHz | -3.33 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T1 | 1 | | 2.40149359 GHz | -17.52 dBm | Occ BW | 1.198801199 MHz | | | | | | | | | | | | | | | | | | | | | | | | |
| T2 | 1 | | 2.4028044 GHz | -18.99 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CH39 | <p>1 Occupied Bandwidth</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>2.4411673 GHz</td> <td>0.03 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.44041309 GHz</td> <td>-13.90 dBm</td> <td>Occ BW</td> <td>1.183816184 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4415969 GHz</td> <td>-15.68 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 14.JUL.2020 16:42:01</p> | | Type | Ref | Trc | X-Value | Y-Value | Function | Function Result | M1 | 1 | | 2.4411673 GHz | 0.03 dBm | | | T1 | 1 | | 2.44041309 GHz | -13.90 dBm | Occ BW | 1.183816184 MHz | T2 | 1 | | 2.4415969 GHz | -15.68 dBm | | |
| Type | Ref | Trc | X-Value | Y-Value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | | 2.4411673 GHz | 0.03 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T1 | 1 | | 2.44041309 GHz | -13.90 dBm | Occ BW | 1.183816184 MHz | | | | | | | | | | | | | | | | | | | | | | | | |
| T2 | 1 | | 2.4415969 GHz | -15.68 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CH78 | <p>1 Occupied Bandwidth</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>2.4801673 GHz</td> <td>-3.15 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.47941039 GHz</td> <td>-17.24 dBm</td> <td>Occ BW</td> <td>1.186313686 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4803969 GHz</td> <td>-18.66 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 14.JUL.2020 16:44:41</p> | | Type | Ref | Trc | X-Value | Y-Value | Function | Function Result | M1 | 1 | | 2.4801673 GHz | -3.15 dBm | | | T1 | 1 | | 2.47941039 GHz | -17.24 dBm | Occ BW | 1.186313686 MHz | T2 | 1 | | 2.4803969 GHz | -18.66 dBm | | |
| Type | Ref | Trc | X-Value | Y-Value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | | 2.4801673 GHz | -3.15 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T1 | 1 | | 2.47941039 GHz | -17.24 dBm | Occ BW | 1.186313686 MHz | | | | | | | | | | | | | | | | | | | | | | | | |
| T2 | 1 | | 2.4803969 GHz | -18.66 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | |

Modulation Type: 8DPSK

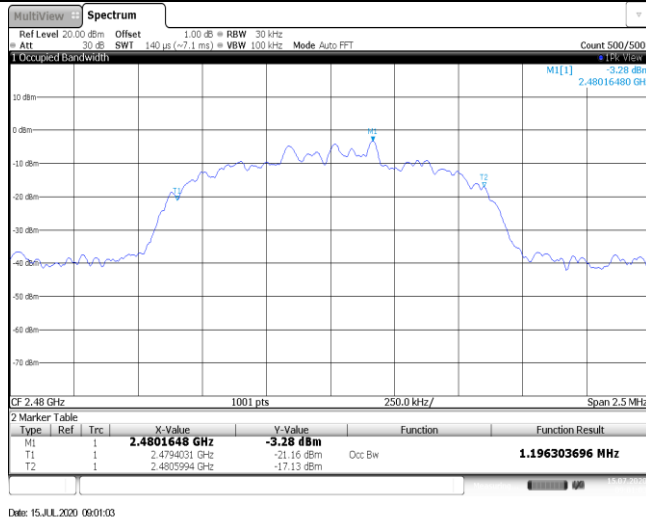
CH00



CH39



CH78



Appendix D: Carrier Frequencies Separation

| Modulation type | Channel | Carrier Frequencies Separation (MHz) | Limit (kHz) * | Result |
|-----------------|---------|--------------------------------------|---------------|--------|
| GFSK | 39 | 1.00 | ≥930 | Pass |
| $\pi/4$ DQPSK | 39 | 1.00 | ≥880 | Pass |
| 8DPSK | 39 | 1.00 | ≥872 | Pass |

Note:

*: GFSK limit = The maximum 20 dB Bandwidth for GFSK modulation on the appendix B.

$\pi/4$ DQPSK limit = $2/3$ * The maximum 20 dB Bandwidth for $\pi/4$ DQPSK modulation on the appendix B.

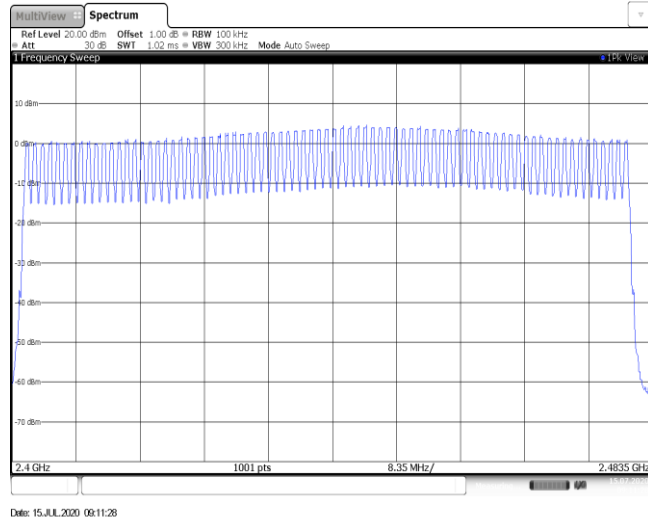
8DPSK limit = $2/3$ * The maximum 20 dB Bandwidth for 8DPSK modulation on the appendix B

| | |
|--------------------------------|-----------------------------------|
| <p>GFSK</p> | <p>Date: 14.JUL.2020 16:33:06</p> |
| <p>$\pi/4$DQPSK</p> | <p>Date: 14.JUL.2020 16:41:32</p> |
| <p>8DPSK</p> | <p>Date: 15.JUL.2020 08:58:36</p> |

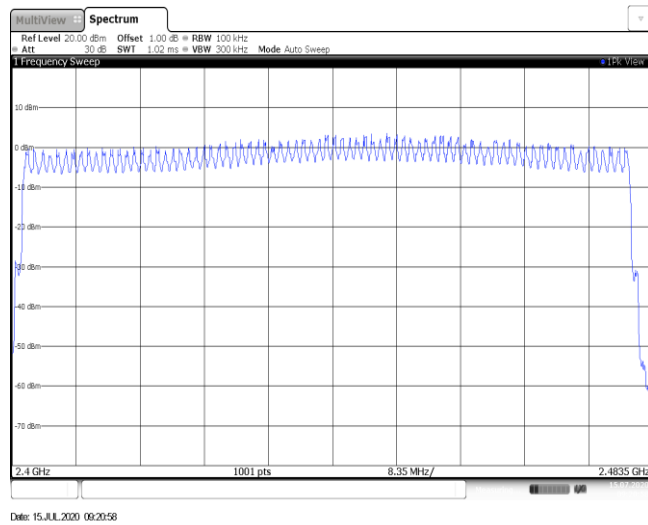
Appendix E: Hopping Channel Number

| Modulation type | Channel number | Limit | Result |
|-----------------|----------------|--------|--------|
| GFSK | 79 | ≥15.00 | Pass |
| π/4DQPSK | 79 | | |
| 8DPSK | 79 | | |

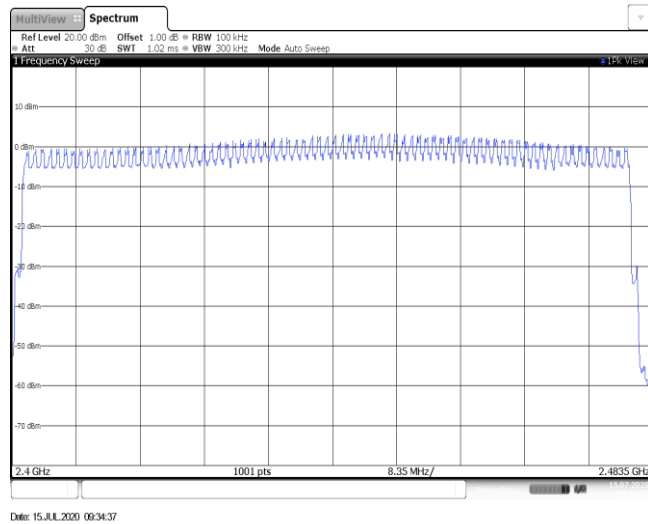
GFSK



$\pi/4$ DQPSK

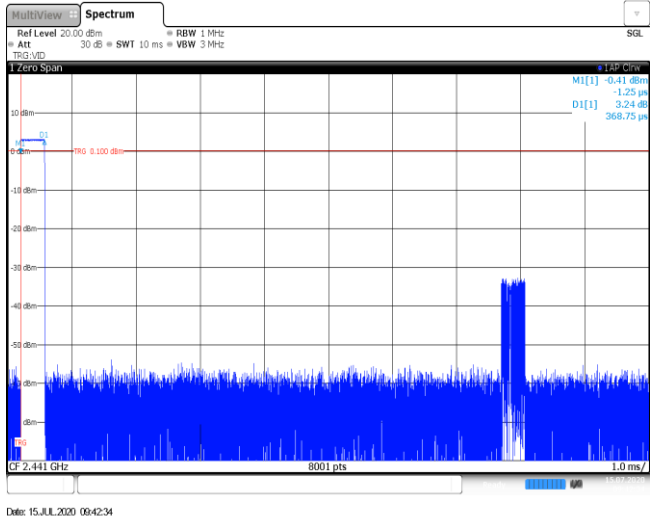
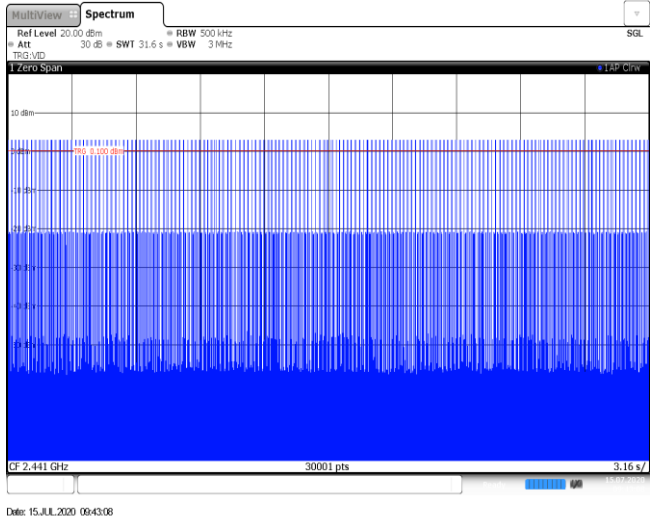
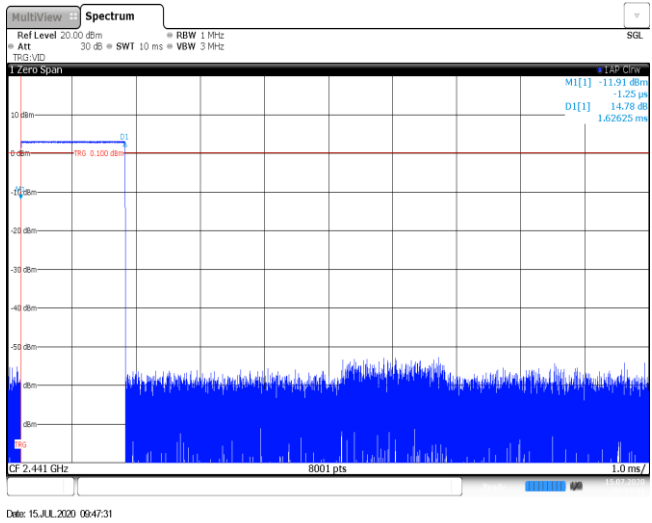


8DPSK



Appendix F: Dwell Time

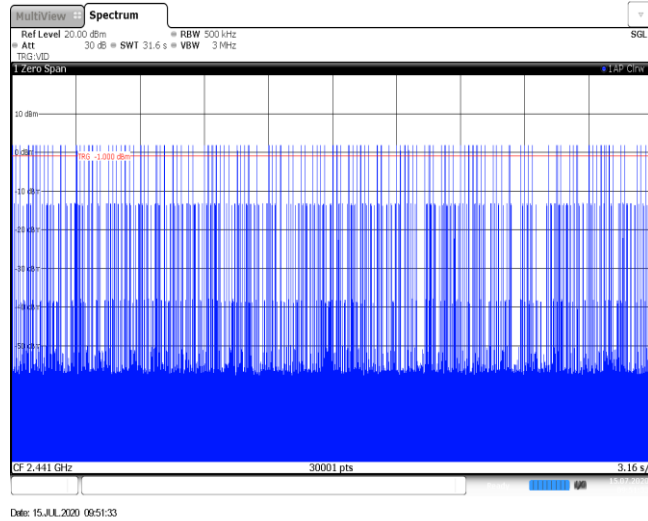
| Modulation type | Packet | Burst Width [ms] | Total Hops[hop*ch] | Dwell time (Second) | Limit (Second) | Result |
|-----------------|--------|------------------|--------------------|---------------------|----------------|--------|
| GFSK | DH1 | 0.37 | 315.00 | 0.12 | ≤ 0.40 | Pass |
| | DH3 | 1.63 | 158.00 | 0.26 | | |
| | DH5 | 2.87 | 103.00 | 0.30 | | |
| π/4DQPSK | 2DH1 | 0.38 | 314.00 | 0.12 | ≤ 0.40 | Pass |
| | 2DH3 | 1.63 | 158.00 | 0.26 | | |
| | 2DH5 | 2.88 | 115.00 | 0.33 | | |
| 8DPSK | 3DH1 | 0.38 | 314.00 | 0.12 | ≤ 0.40 | Pass |
| | 3DH3 | 1.63 | 158.00 | 0.26 | | |
| | 3DH5 | 2.88 | 100.00 | 0.29 | | |

| Modulation Type: | GFSK |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>DH1 Burst width</p> |  <p>The plot shows a spectrum with a reference level of 20.00 dBm, attenuation of 30 dB, sweep time of 10 ms, and video bandwidth of 3 MHz. The frequency is centered at 2.441 GHz. A red horizontal line is drawn at 0 dBm. A blue peak is visible at approximately 2.441 GHz. The plot shows a burst of energy at this frequency.</p> <p>Date: 15.JUL.2020 09:42:34</p> |
| <p>DH1 Burst number</p> |  <p>The plot shows a spectrum with a reference level of 20.00 dBm, attenuation of 30 dB, sweep time of 31.6 s, and video bandwidth of 3 MHz. The frequency is centered at 2.441 GHz. The plot shows a dense burst of energy across the entire frequency range.</p> <p>Date: 15.JUL.2020 09:43:08</p> |
| <p>DH3 Burst width</p> |  <p>The plot shows a spectrum with a reference level of 20.00 dBm, attenuation of 30 dB, sweep time of 10 ms, and video bandwidth of 3 MHz. The frequency is centered at 2.441 GHz. A red horizontal line is drawn at 0 dBm. A blue peak is visible at approximately 2.441 GHz. The plot shows a burst of energy at this frequency.</p> <p>Date: 15.JUL.2020 09:47:31</p> |

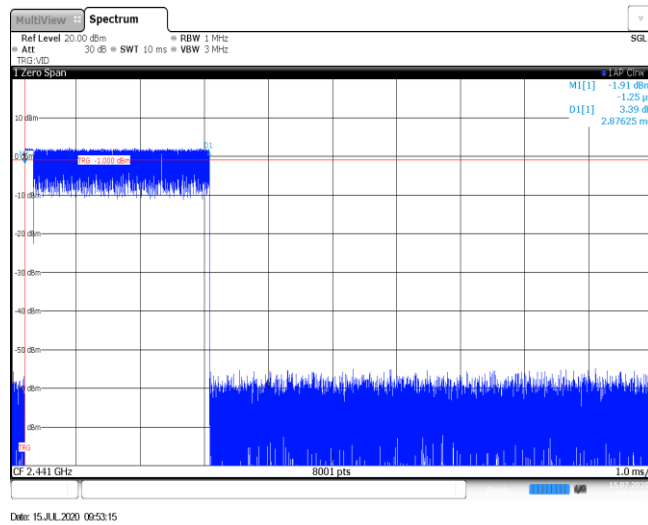
| | |
|-----------------------------|--|
| <p>DH3 Burst number</p> | |
| <p>DH5 Burst width</p> | |
| <p>DH5 Burst number</p> | |

| Modulation Type: | $\pi/4$ DQPSK |
|------------------------------|---------------|
| <p>2DH1 Burst width</p> | |
| <p>2DH1 Burst number</p> | |
| <p>2DH3 Burst width</p> | |

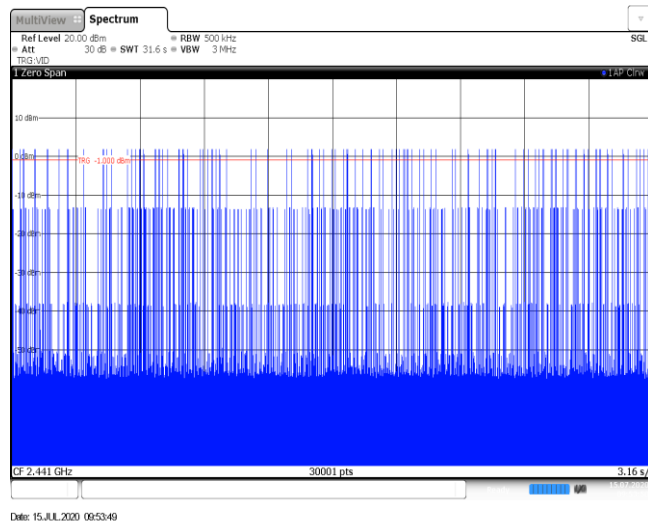
2DH3
Burst number



2DH5
Burst width

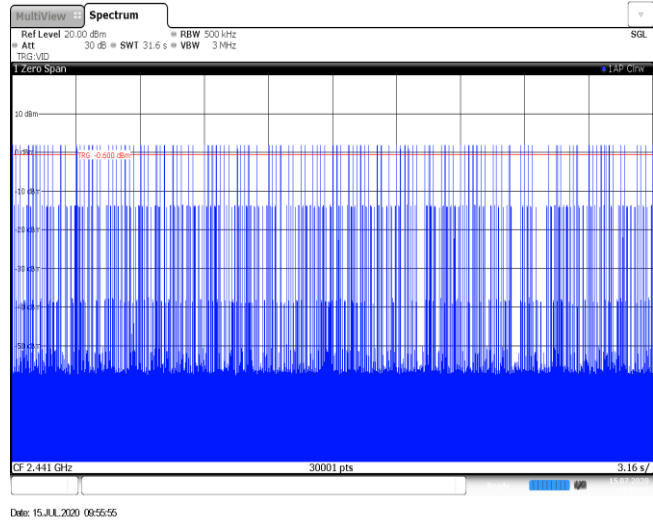


2DH5
Burst number

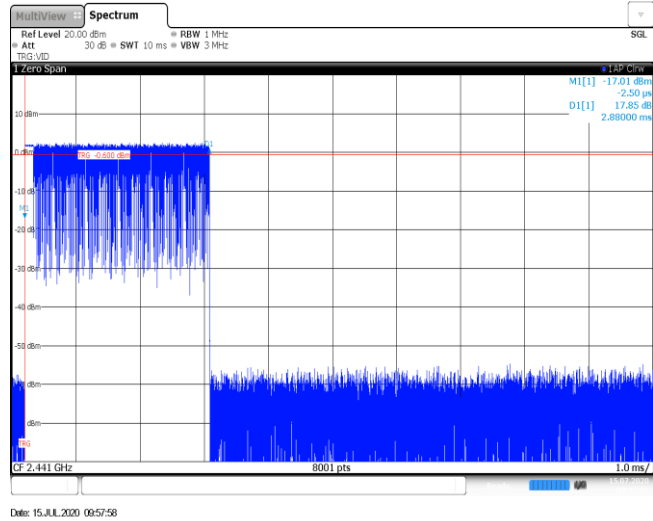


| Modulation Type: 8DPSK | |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3DH1 Burst width | <p>Ref Level 20.00 dBm Att 30 dB SWT 10 ms VBW 3 MHz RBW 1 MHz</p> <p>M[1] -5.52 dBm -1.25 μs D1[1] 6.29 dB 377.50 μs</p> <p>CF 2.441 GHz 8001 pts 1.0 ms/</p> <p>Date: 15.JUL.2020 09:54:18</p> |
| 3DH1 Burst number | <p>Ref Level 20.00 dBm Att 30 dB SWT 31.6 s VBW 3 MHz RBW 500 kHz</p> <p>CF 2.441 GHz 30001 pts 3.16 s/</p> <p>Date: 15.JUL.2020 09:54:52</p> |
| 3DH3 Burst width | <p>Ref Level 20.00 dBm Att 30 dB SWT 10 ms VBW 3 MHz RBW 1 MHz</p> <p>M[1] -12.49 dBm 2.50 μs D1[1] 13.16 dB 1.62875 ms</p> <p>CF 2.441 GHz 8001 pts 1.0 ms/</p> <p>Date: 15.JUL.2020 09:55:21</p> |

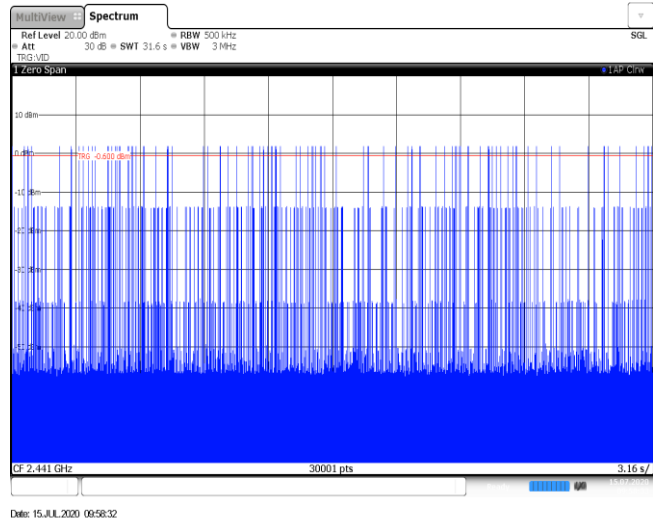
3DH3
Burst number



3DH5
Burst width



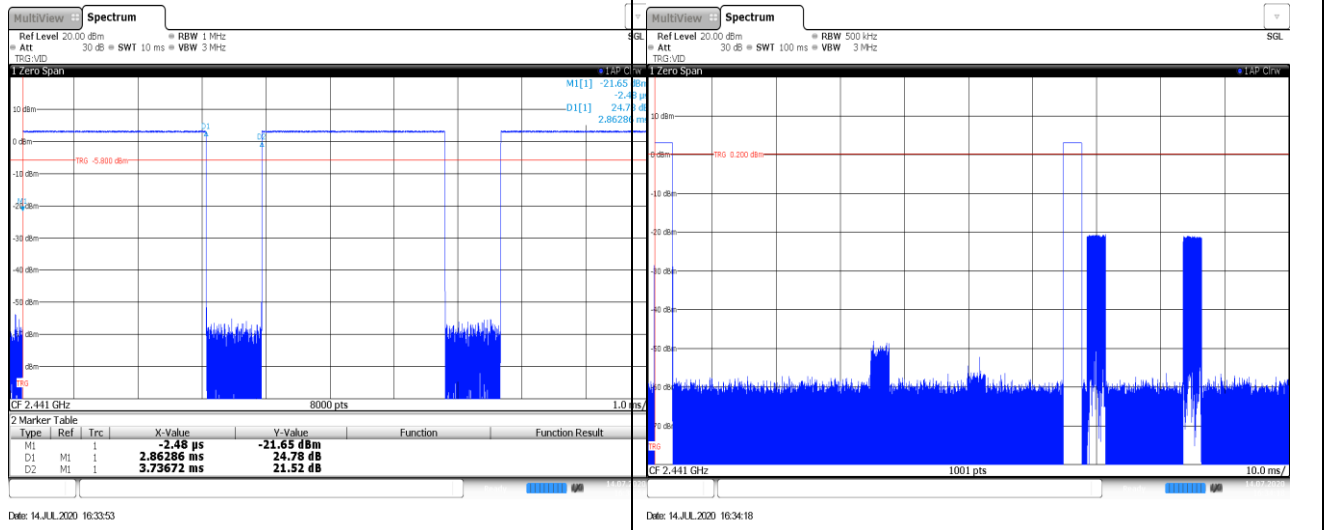
3DH5
Burst number



Appendix G: Duty Cycle Correction Factor (DCCF)

| DCCF Calculate Formula | | | | | |
|---------------------------------------------------------------------|----------------------|--------------------------------------|-------------------|----------------|-----------|
| DCCF=20 * Log(duty cycle) = 20 * Log($T_{on\ time} / T_{period}$) | | | | | |
| Modulation type | Test Frequency (MHz) | $T_{on\ time}$ for single burst [ms] | T_{period} [ms] | Burst Quantity | DCCF [dB] |
| GFSK | 2441 | 2.86 | 100 | 4.00 | -18.83 |
| $\pi/4$ DQPSK | 2441 | 2.87 | 100 | 2.00 | -24.82 |
| 8DPSK | 2441 | 2.87 | 100 | 1.00 | -30.84 |

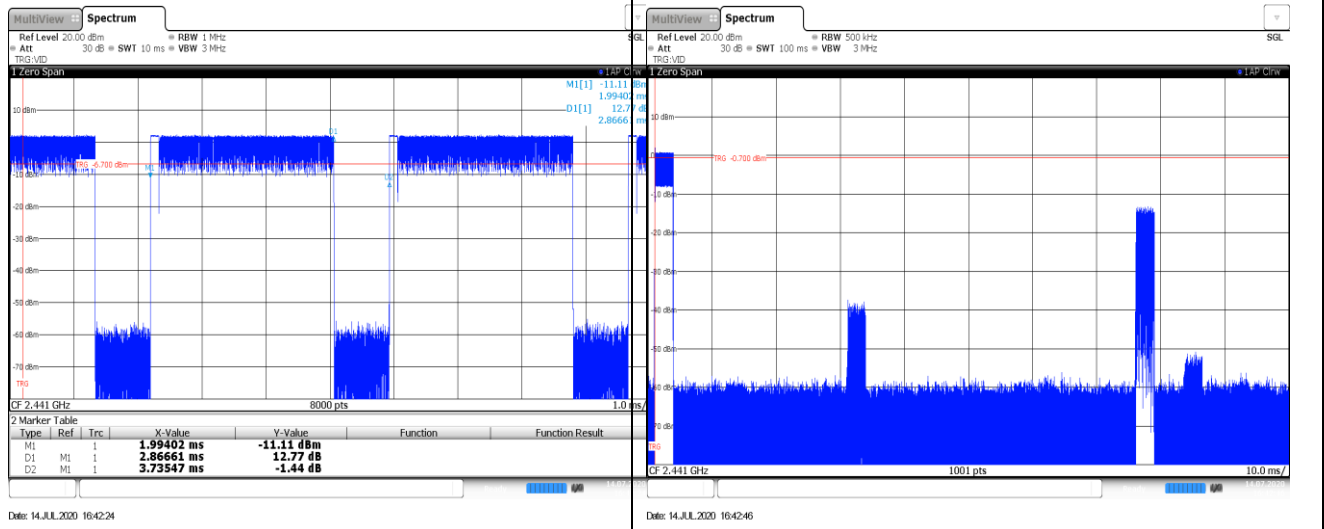
GFSK



Ton time for single burst

Burst Quantity

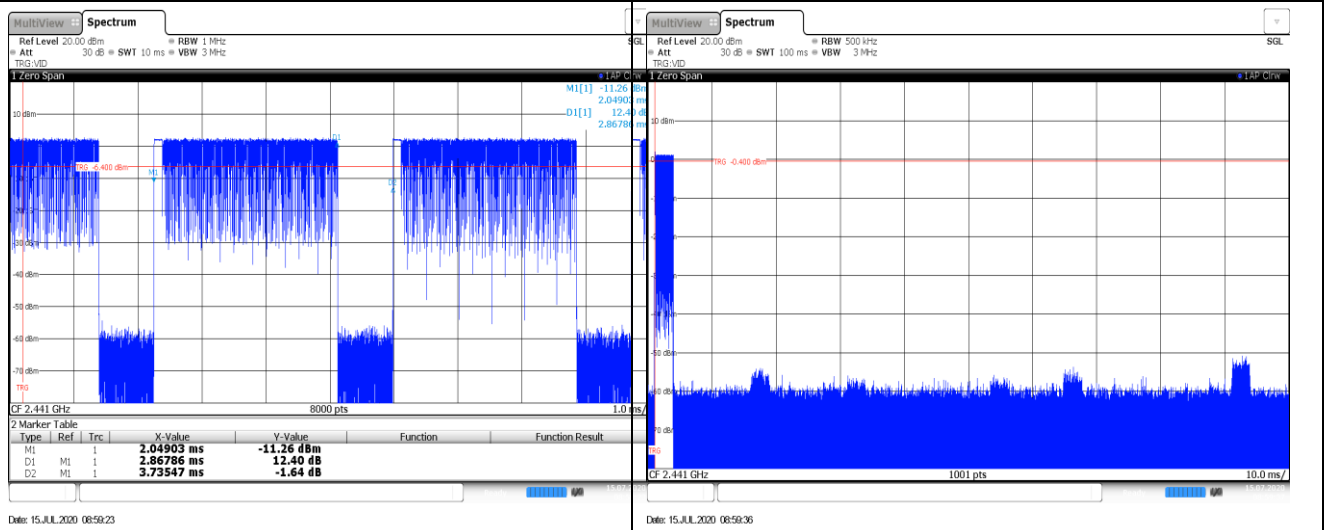
$\pi/4$ DQPSK



Ton time for single burst

Burst Quantity

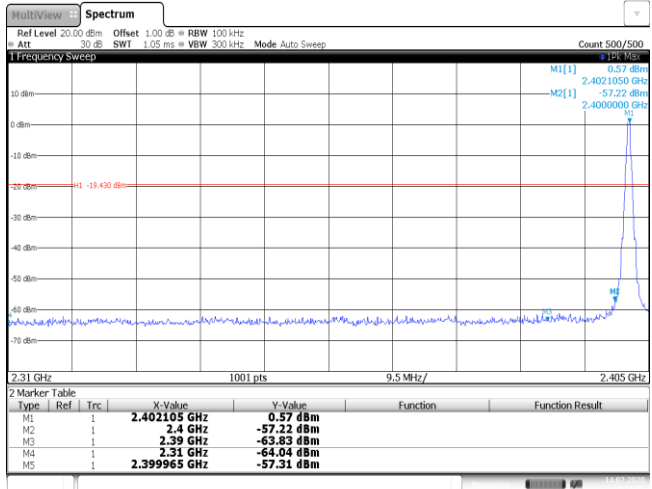
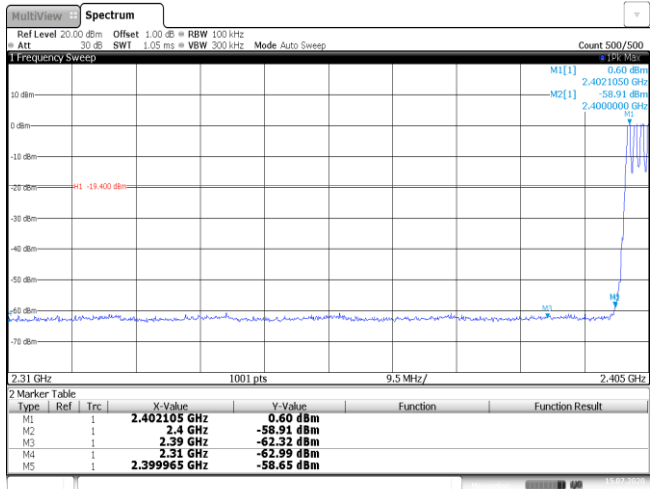
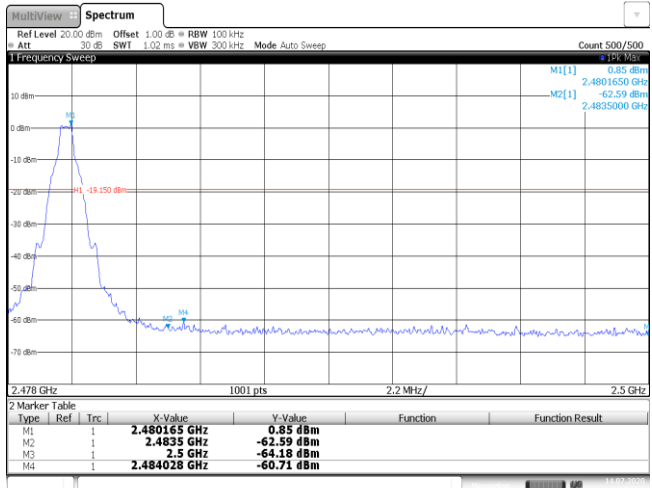
8DPSK



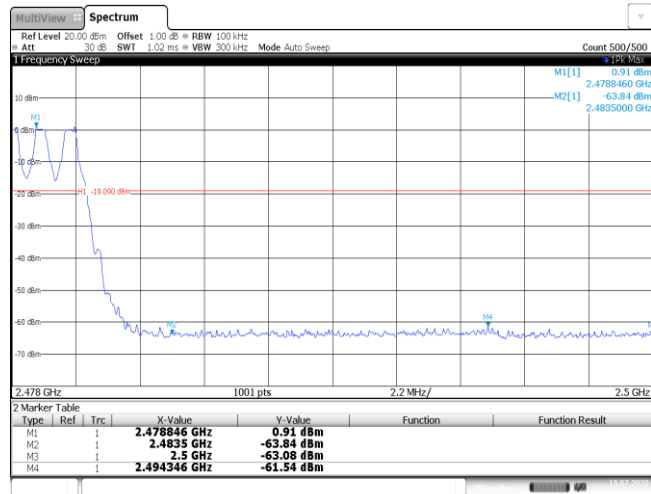
Ton time for single burst

Burst Quantity

Appendix H: Band edge and Spurious Emissions (conducted)

| Test Item: | Band edge | Modulation type: | GFSK |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------|------|
| <p>CH00 No hopping mode</p> |  <p>Date: 14.JUL.2020 16:29:01</p> | | |
| <p>CH00 Hopping mode</p> |  <p>Date: 15.JUL.2020 09:16:56</p> | | |
| <p>CH78 No hopping mode</p> |  <p>Date: 14.JUL.2020 16:36:16</p> | | |

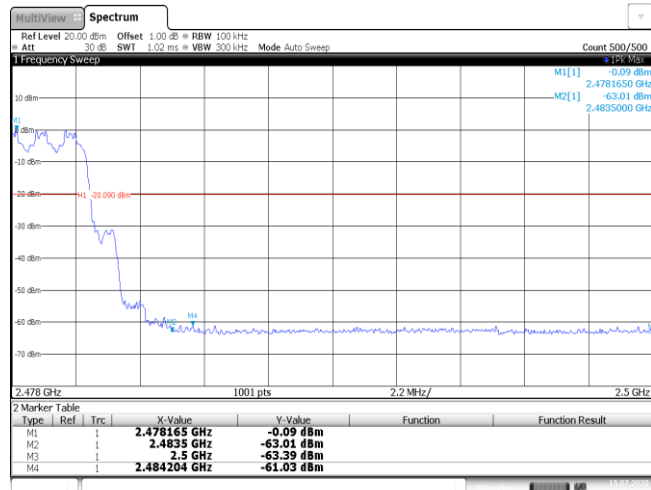
CH78
Hopping mode



Date: 15.JUL.2020 09:17:17

| Test Item: | Band edge | Modulation type: | $\pi/4$ DQPSK |
|---------------------------------|-----------|------------------|---------------|
| <p>CH00 No hopping mode</p> | | | |
| <p>CH00 Hopping mode</p> | | | |
| <p>CH78 No hopping mode</p> | | | |

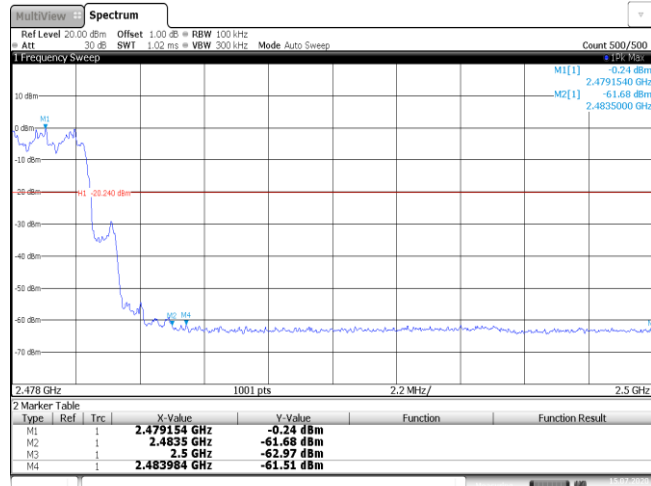
CH78
Hopping mode



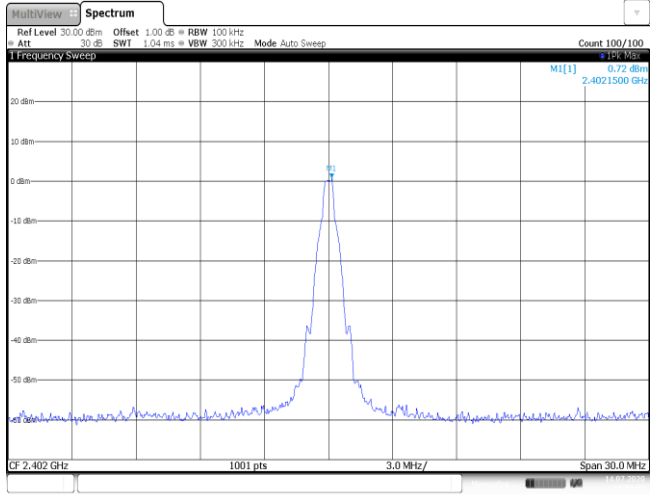
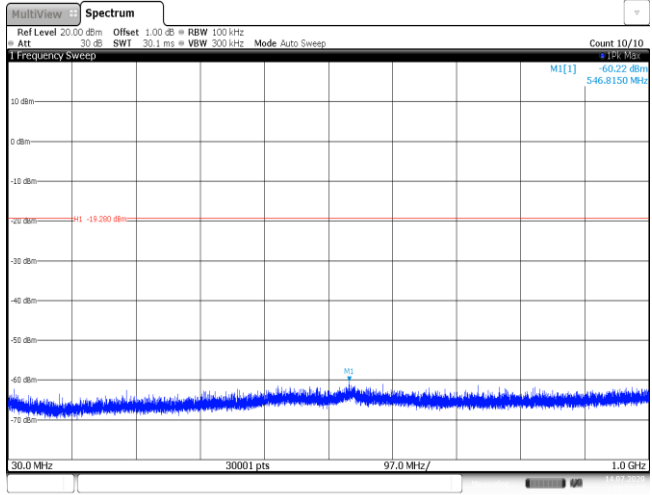
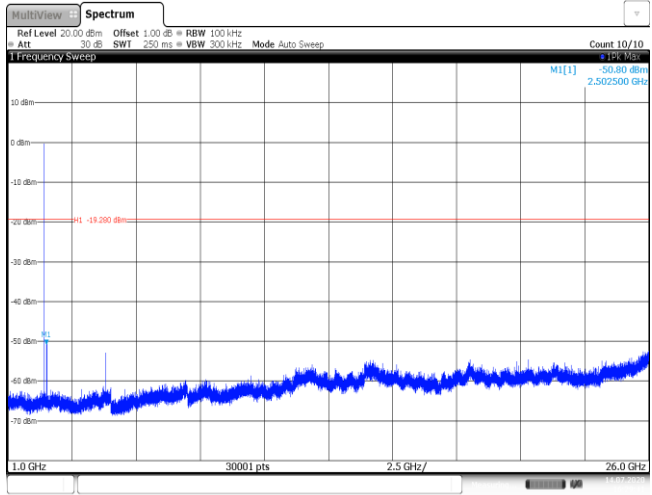
Date: 15.JUL.2020 09:25:13

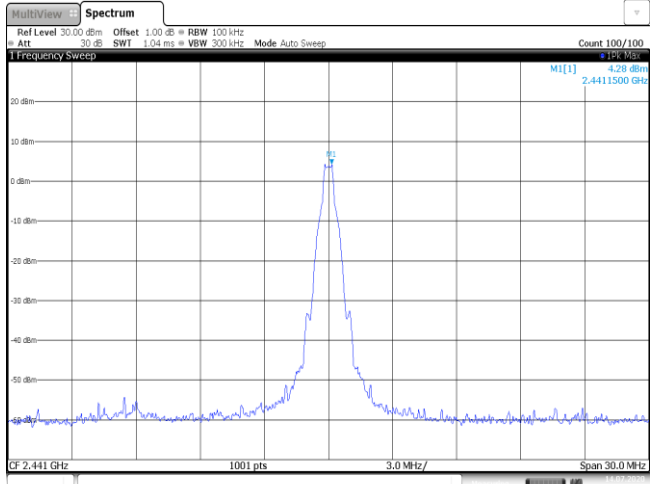
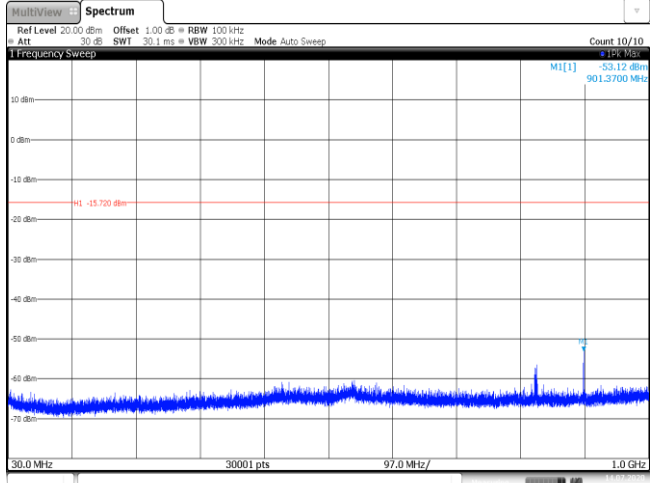
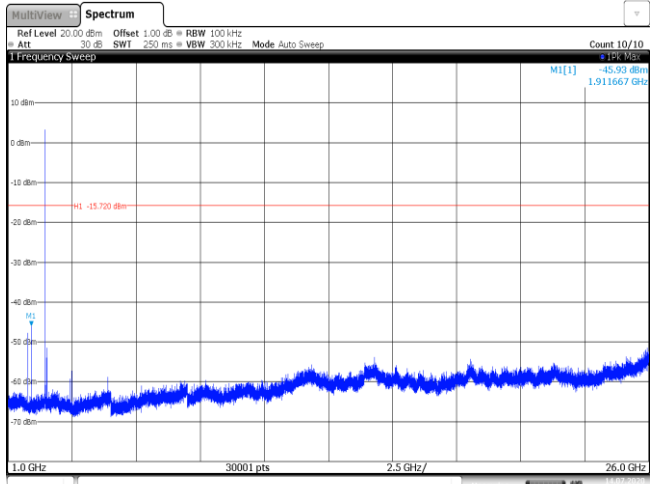
| Test Item: | Band edge | Modulation type: | 8DPSK |
|---------------------------------|-----------|------------------|-------|
| <p>CH00 No hopping mode</p> | | | |
| <p>CH00 Hopping mode</p> | | | |
| <p>CH78 No hopping mode</p> | | | |

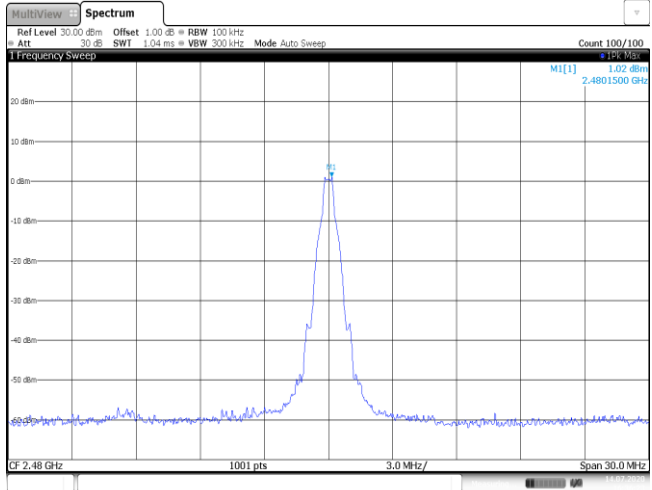
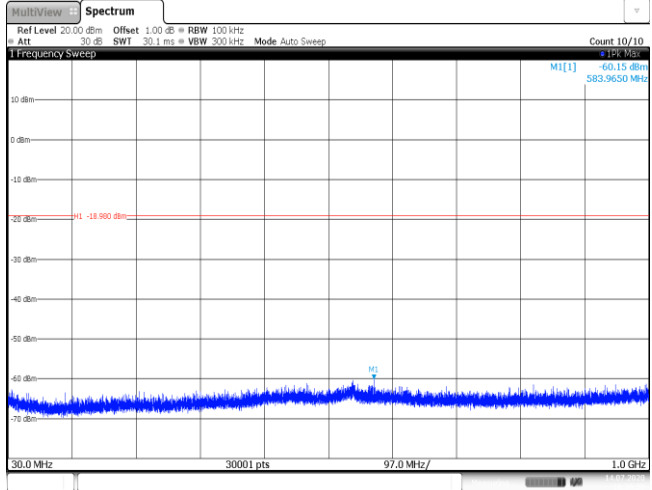
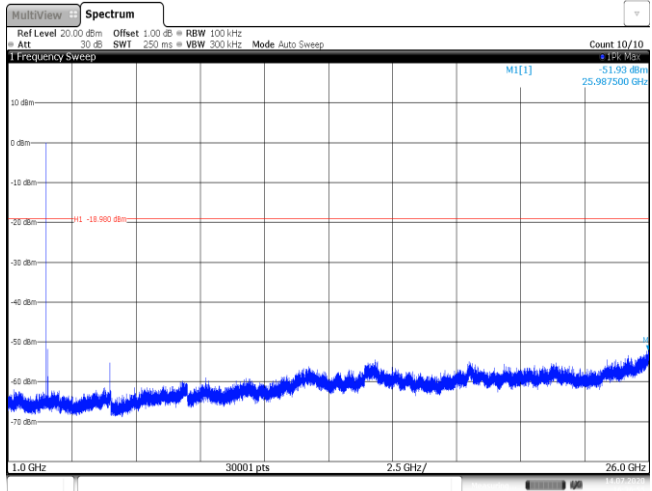
CH78
Hoppig mode



Date: 15.JUL.2020 09:37:56

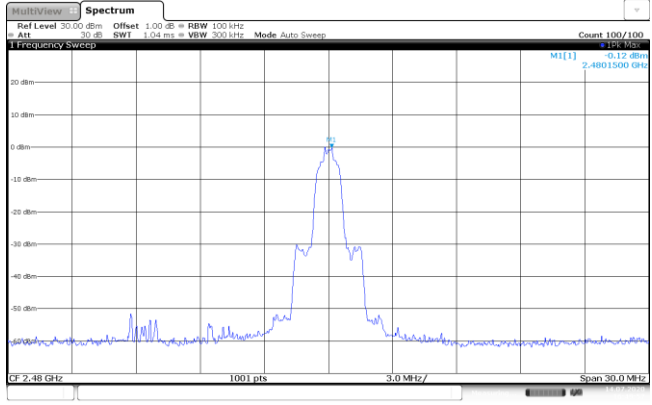
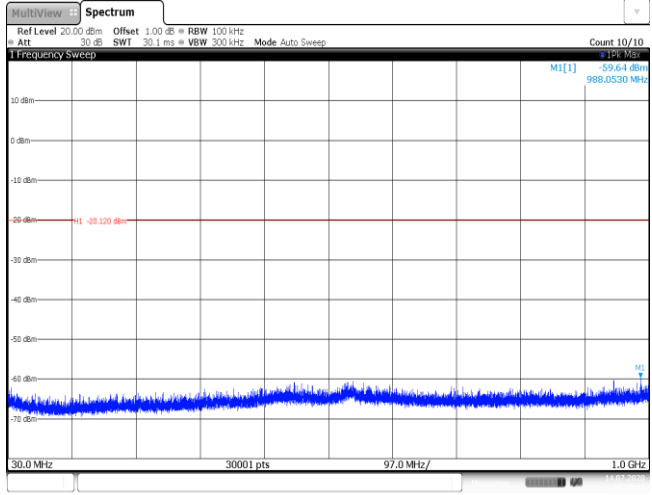
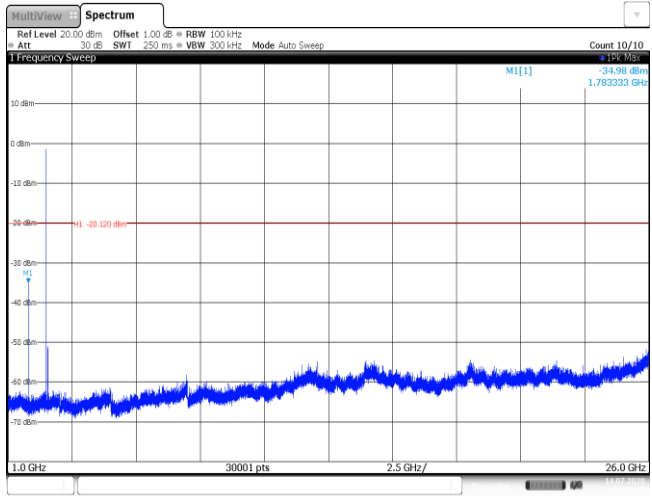
| Test Item: | Spurious Emission | Modulation type: | GFSK |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|
| <p>CH00 Reference level</p> |  <p>MultiView Spectrum</p> <p>Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep</p> <p>Count 100/100</p> <p>Frequency Sweep</p> <p>M1[1] -0.72 dBm 2.4021500 GHz</p> <p>CF 2.402 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <p>Date: 14.JUL.2020 16:29:08</p> | | |
| <p>CH00 30MHz~1000MHz</p> |  <p>MultiView Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 30.1 ms VBW 300 kHz Mode Auto Sweep</p> <p>Count 10/10</p> <p>Frequency Sweep</p> <p>M1[1] -60.22 dBm 546.8150 MHz</p> <p>H1 -19.200 dBm</p> <p>30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz</p> <p>Date: 14.JUL.2020 16:29:24</p> | | |
| <p>CH00 1GHz~26GHz</p> |  <p>MultiView Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 250 ms VBW 300 kHz Mode Auto Sweep</p> <p>Count 10/10</p> <p>Frequency Sweep</p> <p>M1[1] -50.80 dBm 2.502500 GHz</p> <p>H1 -19.200 dBm</p> <p>1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz</p> <p>Date: 14.JUL.2020 16:29:41</p> | | |

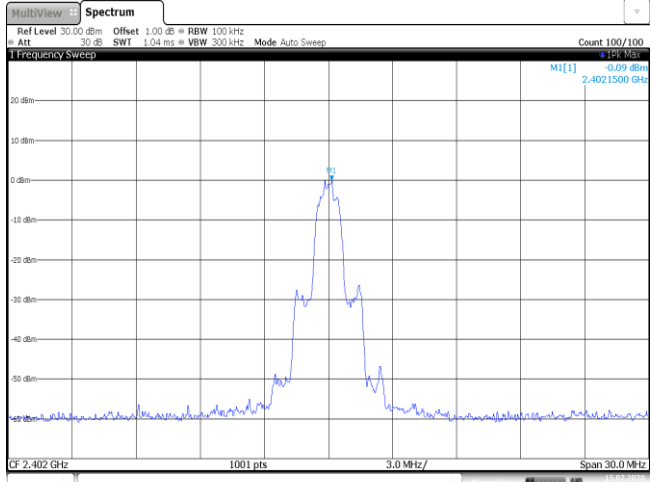
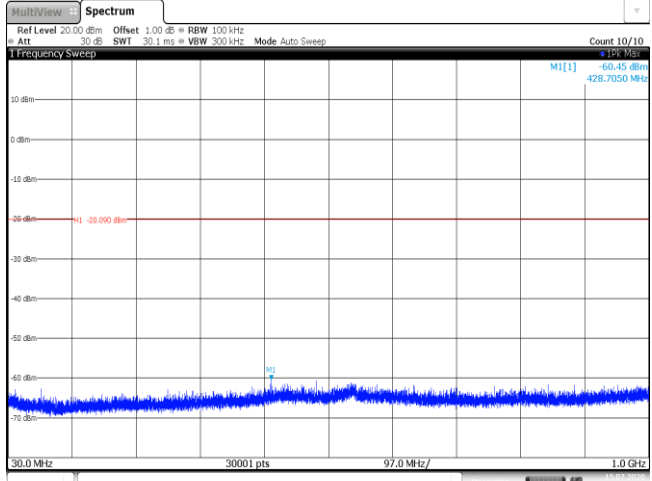
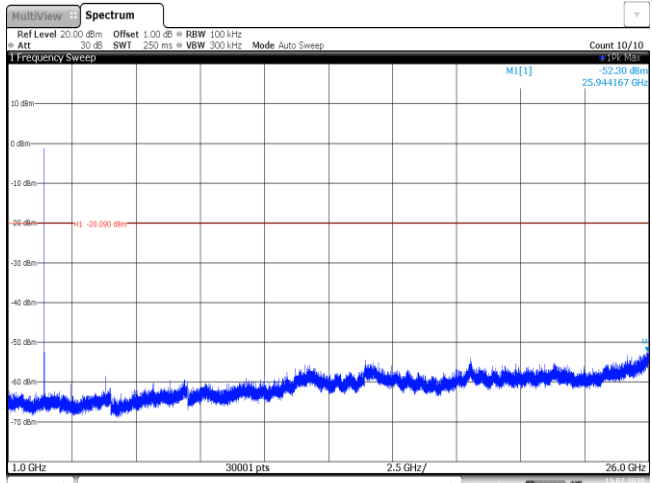
| | |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>CH39 Reference level</p> |  <p>MultiView Spectrum Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 1 Frequency Sweep MI[1] 4.28 dBm 2.441500 GHz CF 2.441 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 14.JUL.2020 16:34:33</p> |
| <p>CH39 30MHz~1000MHz</p> |  <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1 Frequency Sweep MI[1] -53.12 dBm 901.3700 MHz MI -15.720 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 14.JUL.2020 16:34:49</p> |
| <p>CH39 1GHz~26GHz</p> |  <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1 Frequency Sweep MI[1] -45.93 dBm 1.911667 GHz MI -15.720 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 14.JUL.2020 16:35:05</p> |

| | |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>CH78 Reference level</p> |  <p>The spectrum plot shows a single sharp peak at 2.48 GHz. The y-axis represents power in dBm, ranging from -60 to 20. The x-axis represents frequency in MHz, with a span of 30.0 MHz. The peak is labeled M1[1] with a value of 1.02 dBm. The plot includes technical parameters: Ref Level 30.00 dBm, Offset 1.00 dB, RBW 100 kHz, Att 30 dB, SWI 1.04 ms, VBW 300 kHz, Mode Auto Sweep, Count 100/100, and Date 14.JUL.2020 16:36:23.</p> |
| <p>CH78 30MHz~1000MHz</p> |  <p>The spectrum plot shows a noise floor across the 30 MHz to 1000 MHz range. The y-axis ranges from -70 to 10 dBm. The x-axis ranges from 30.0 MHz to 1.0 GHz. A red horizontal line is drawn at -18.980 dBm. A peak is labeled M1[1] with a value of -60.15 dBm at 583.9650 MHz. The plot includes technical parameters: Ref Level 20.00 dBm, Offset 1.00 dB, RBW 100 kHz, Att 30 dB, SWI 30.1 ms, VBW 300 kHz, Mode Auto Sweep, Count 10/10, and Date 14.JUL.2020 16:36:39.</p> |
| <p>CH78 1GHz~26GHz</p> |  <p>The spectrum plot shows a noise floor across the 1 GHz to 26 GHz range. The y-axis ranges from -70 to 10 dBm. The x-axis ranges from 1.0 GHz to 26.0 GHz. A red horizontal line is drawn at -18.980 dBm. A peak is labeled M1[1] with a value of -51.93 dBm at 25.987500 GHz. The plot includes technical parameters: Ref Level 20.00 dBm, Offset 1.00 dB, RBW 100 kHz, Att 30 dB, SWI 250 ms, VBW 300 kHz, Mode Auto Sweep, Count 10/10, and Date 14.JUL.2020 16:36:56.</p> |

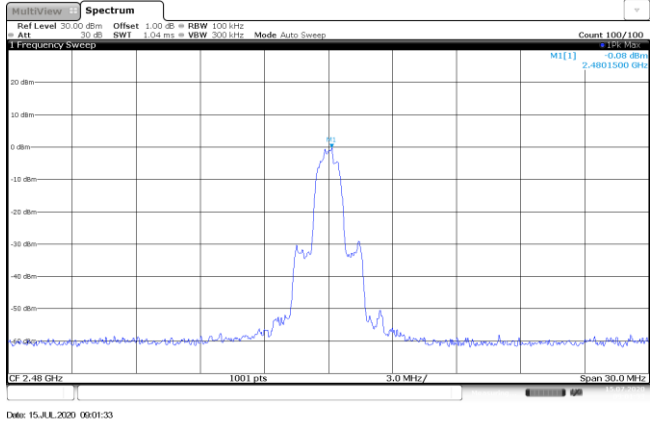
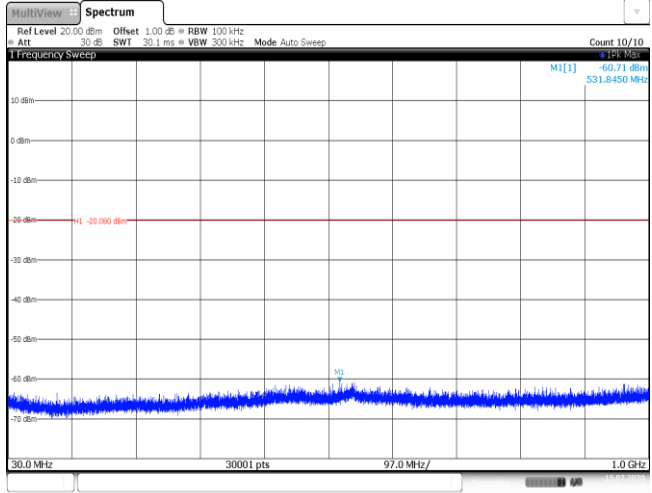
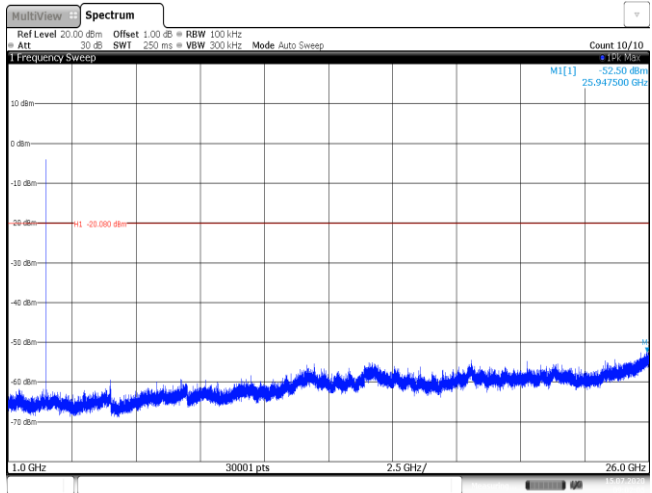
| Test Item: | Spurious Emission | Modulation type: | $\pi/4$ DQPSK |
|---------------------------------|-------------------|------------------|---------------|
| <p>CH00 Reference level</p> | | | |
| <p>CH00 30MHz~1000MHz</p> | | | |
| <p>CH00 1GHz~26GHz</p> | | | |

| | |
|---------------------------------|--|
| <p>CH39 Reference level</p> | |
| <p>CH39 30MHz~1000MHz</p> | |
| <p>CH39 1GHz~26GHz</p> | |

| | |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>CH78 Reference level</p> |  <p>The plot shows a spectrum with a prominent peak at 2.48 GHz. The y-axis represents power in dBm, ranging from -70 to 20. The x-axis represents frequency in MHz, with a span of 30.0 MHz. A peak is labeled with a count of 1007100 and a value of -0.12 dBm. The plot title is 'Spectrum' and it includes parameters like Ref Level, Att, Offset, RBW, and Mode.</p> |
| <p>CH78 30MHz~1000MHz</p> |  <p>The plot shows a wide frequency range from 30 MHz to 1000 MHz. The y-axis ranges from -70 to 10 dBm. The signal is mostly flat noise floor around -60 dBm. A horizontal red line is drawn at -28.120 dBm. A peak is labeled with a count of 10/10 and a value of -59.64 dBm at 988.0530 MHz. The plot title is 'Spectrum' and it includes parameters like Ref Level, Att, Offset, RBW, and Mode.</p> |
| <p>CH78 1GHz~26GHz</p> |  <p>The plot shows a wide frequency range from 1.0 GHz to 26.0 GHz. The y-axis ranges from -70 to 10 dBm. The signal is mostly flat noise floor around -60 dBm. A horizontal red line is drawn at -28.120 dBm. A peak is labeled with a count of 10/10 and a value of -34.98 dBm at 1.785333 GHz. The plot title is 'Spectrum' and it includes parameters like Ref Level, Att, Offset, RBW, and Mode.</p> |

| Test Item: | Spurious Emission | Modulation type: | 8DPSK |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------|-------|
| <p>CH00 Reference level</p> |  <p>Date: 15.JUL.2020 08:56:30</p> | | |
| <p>CH00 30MHz~1000MHz</p> |  <p>Date: 15.JUL.2020 08:56:46</p> | | |
| <p>CH00 1GHz~26GHz</p> |  <p>Date: 15.JUL.2020 08:57:02</p> | | |

| | |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>CH39 Reference level</p> | <p>MultiView Spectrum Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 1 Frequency Sweep MI[1] 3.18 dBm 2.4411500 GHz CF 2.441 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 15.JUL.2020 08:59:51</p> |
| <p>CH39 30MHz~1000MHz</p> | <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1 Frequency Sweep MI[1] -59.54 dBm 466.1460 MHz MI -18.600 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 15.JUL.2020 09:00:07</p> |
| <p>CH39 1GHz~26GHz</p> | <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1 Frequency Sweep MI[1] -45.56 dBm 1.922500 GHz MI -18.600 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 15.JUL.2020 09:00:24</p> |

| | |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>CH78 Reference level</p> |  <p>The plot shows a spectrum with a prominent peak at 2.48 GHz. The y-axis represents power in dBm, ranging from -64 to 20. The x-axis represents frequency in MHz, with a span of 30.0 MHz. The peak is labeled M[1] with a value of -0.08 dBm. The date is 15.JUL.2020 09:01:33.</p> |
| <p>CH78 30MHz~1000MHz</p> |  <p>The plot shows a spectrum with a noise floor around -60 dBm. The y-axis represents power in dBm, ranging from -70 to 10. The x-axis represents frequency in MHz, with a span of 97.0 MHz. A peak is labeled M[1] with a value of -60.71 dBm at 531.8450 MHz. The date is 15.JUL.2020 09:01:49.</p> |
| <p>CH78 1GHz~26GHz</p> |  <p>The plot shows a spectrum with a noise floor around -60 dBm. The y-axis represents power in dBm, ranging from -70 to 10. The x-axis represents frequency in GHz, with a span of 2.5 GHz. A peak is labeled M[1] with a value of -52.50 dBm at 25.947500 GHz. The date is 15.JUL.2020 09:02:05.</p> |

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