

APPENDIX REPORT

| | | | |
|-----------------|-----------------|---------------------|---------------|
| Project No. | SHT2210112901EW | Radio Specification | Bluetooth EDR |
| Test sample No. | YPHT22101129001 | Model No. | Stark 8 |
| Start test date | 2022-11-15 | Finish date | 2022-11-15 |
| Temperature | 25.6°C | Humidity | 35% |
| Test Engineer | Xiaoxiao Li | Auditor | Xiaodong Zhe |

| 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 |

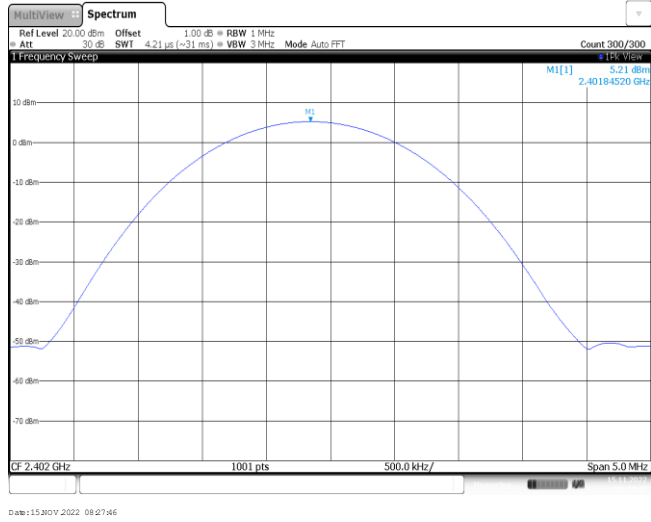
Appendix A: Peak Output Power

| Modulation type | Channel | Peak Output power (dBm) | Average Output power (dBm) | Limit (dBm) | Result |
|-----------------|---------|-------------------------|----------------------------|-------------|--------|
| GFSK | 00 | 5.21 | 5.14 | ≤ 30.00 | Pass |
| | 39 | 3.77 | 3.68 | | |
| | 78 | 5.01 | 4.88 | | |
| π/4DQPSK | 00 | 4.48 | 4.36 | ≤ 21.00 | Pass |
| | 39 | 3.44 | 3.36 | | |
| | 78 | 4.14 | 4.05 | | |
| 8DPSK | 00 | 4.38 | 4.23 | ≤ 21.00 | Pass |
| | 39 | 3.33 | 3.24 | | |
| | 78 | 4.10 | 4.01 | | |

Modulation Type:

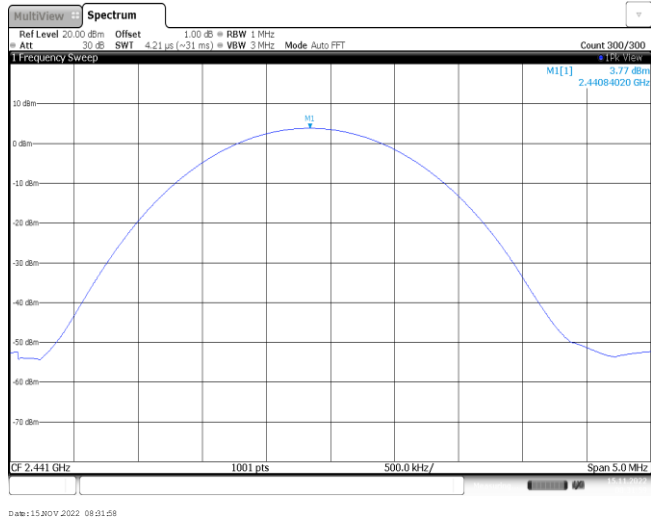
GFSK

CH00



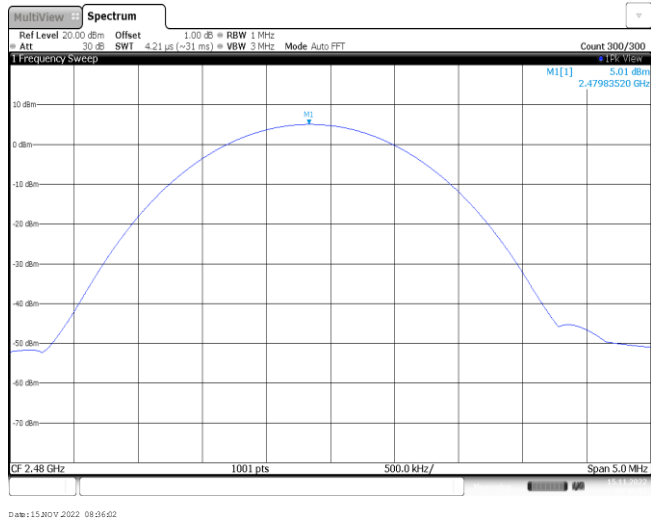
Date: 15 NOV 2022 08:27:46

CH39



Date: 15 NOV 2022 08:31:58

CH78

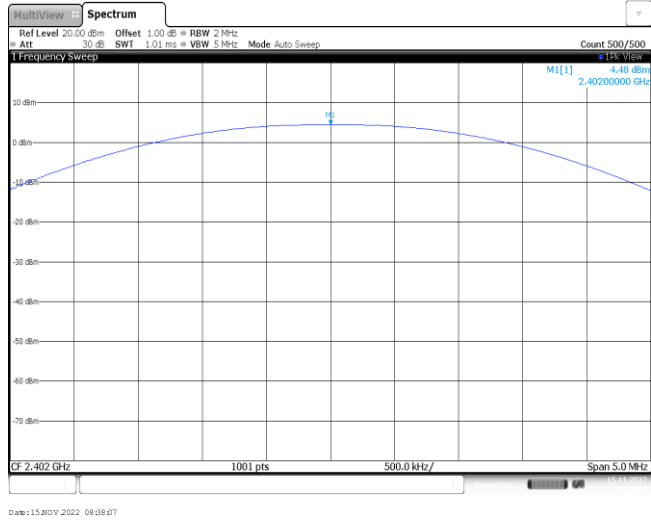


Date: 15 NOV 2022 08:36:02

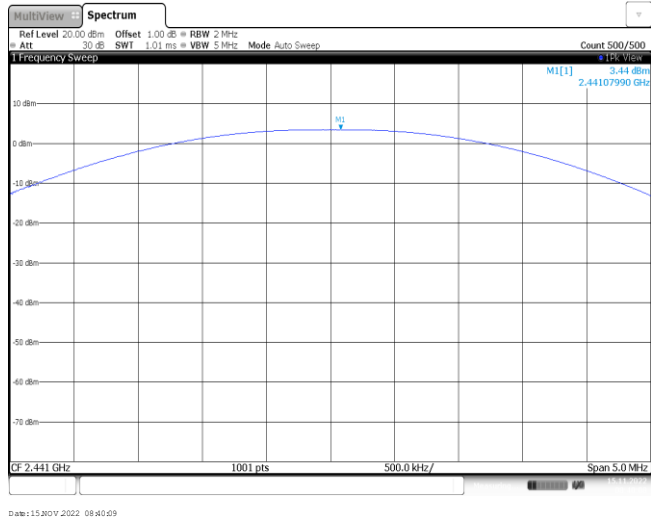
Modulation Type:

$\pi/4$ DQPSK

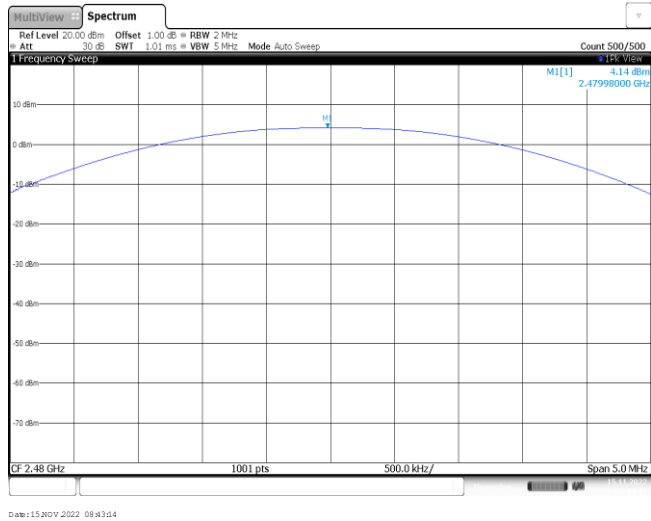
CH00



CH39

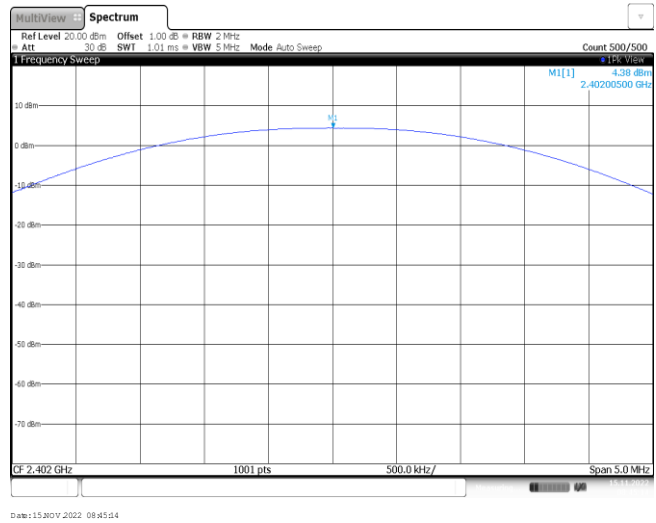


CH78

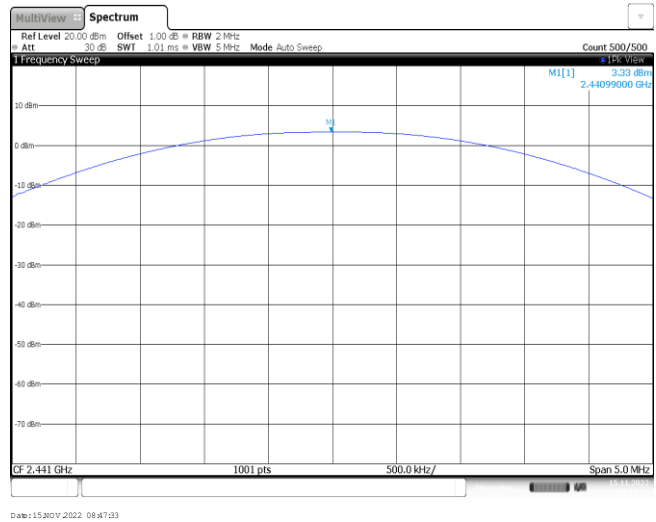


Modulation Type: 8DPSK

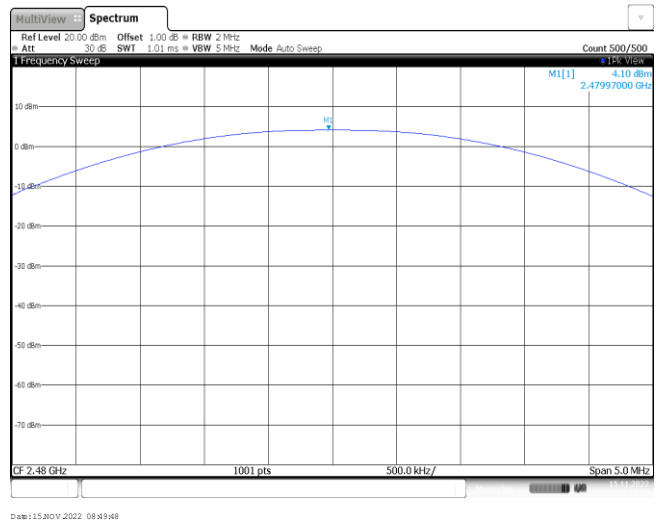
CH00



CH39



CH78

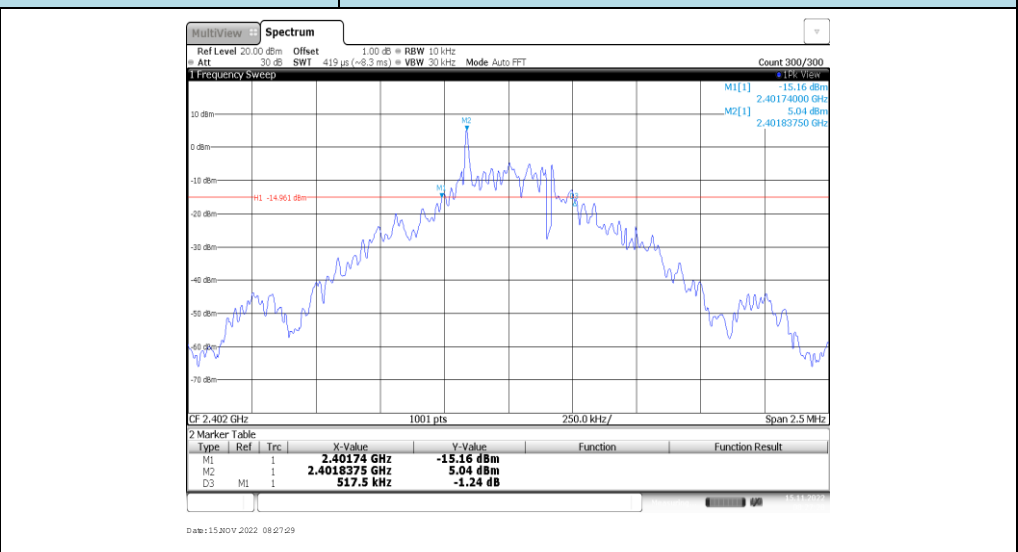


Appendix B : 20 dB Bandwidth

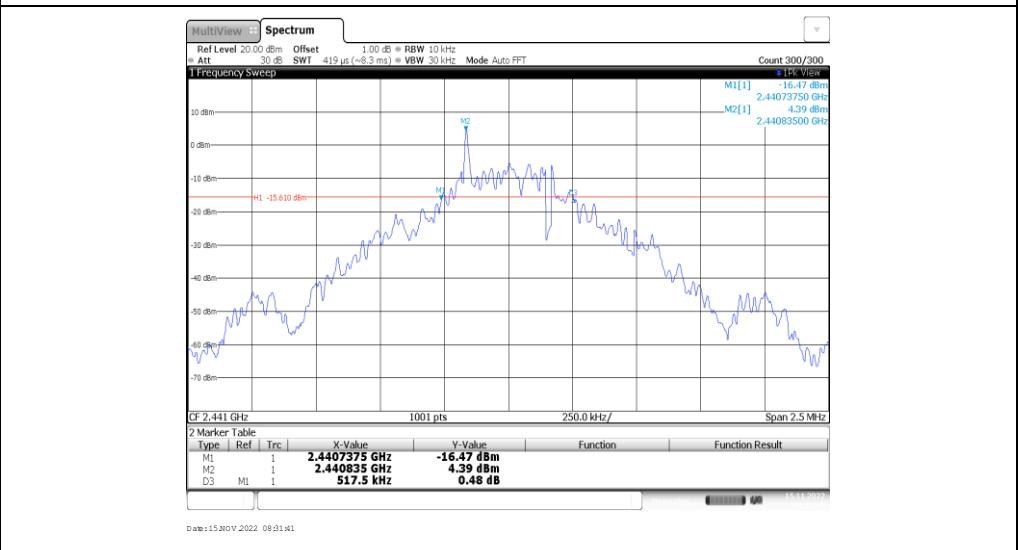
| Modulation type | Channel | 20 dB Bandwidth (kHz) | Limit (kHz) | Result |
|-----------------|---------|-----------------------|-------------|--------|
| GFSK | 00 | 517.50 | - | Pass |
| | 39 | 517.50 | | |
| | 78 | 517.50 | | |
| $\pi/4$ DQPSK | 00 | 1120.00 | - | Pass |
| | 39 | 1117.50 | | |
| | 78 | 1120.00 | | |
| 8DPSK | 00 | 1115.00 | - | Pass |
| | 39 | 1112.50 | | |
| | 78 | 1110.00 | | |

Modulation Type: GFSK

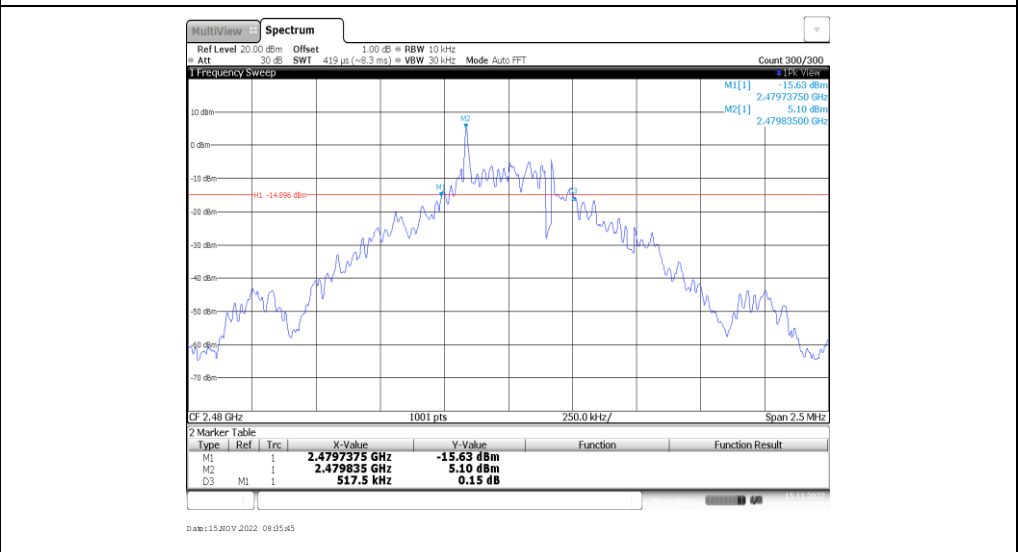
CH00



CH39

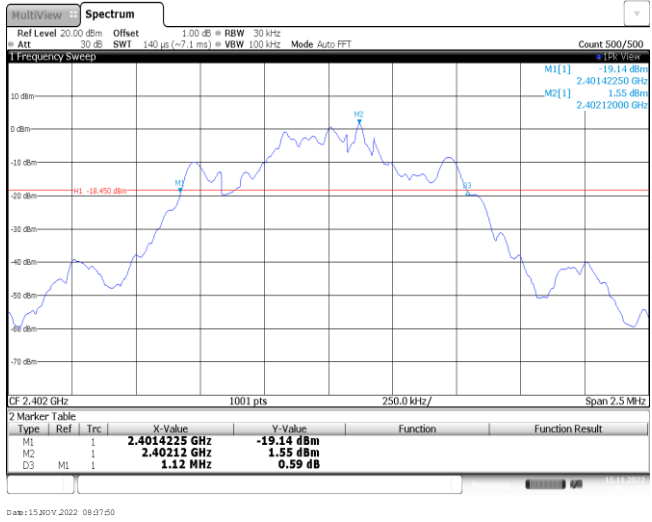


CH78

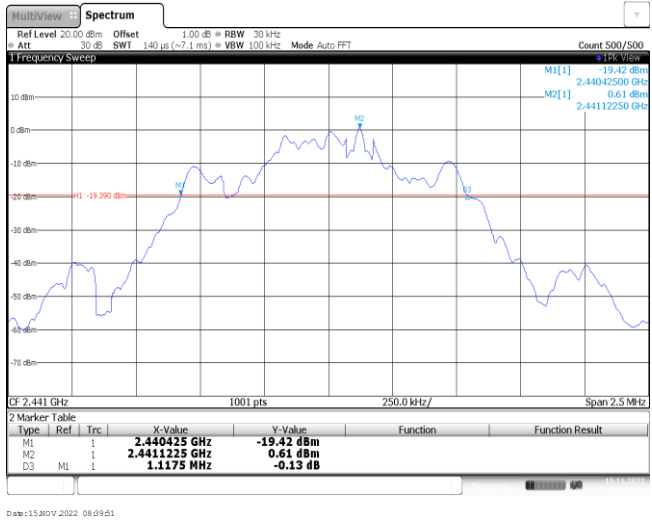


Modulation Type: $\pi/4$ DQPSK

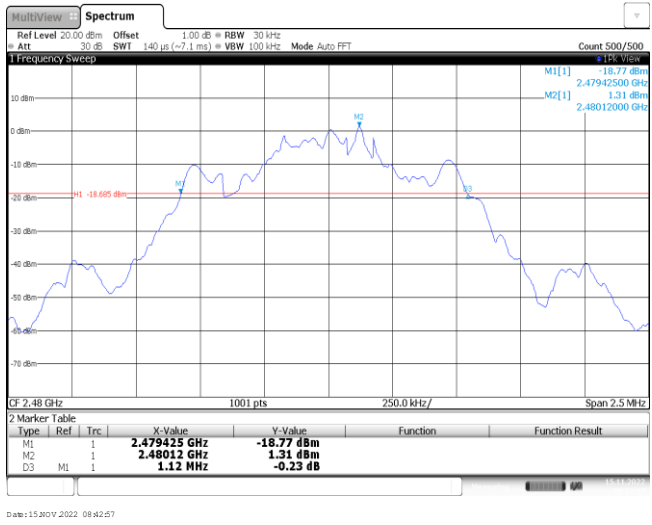
CH00



CH39

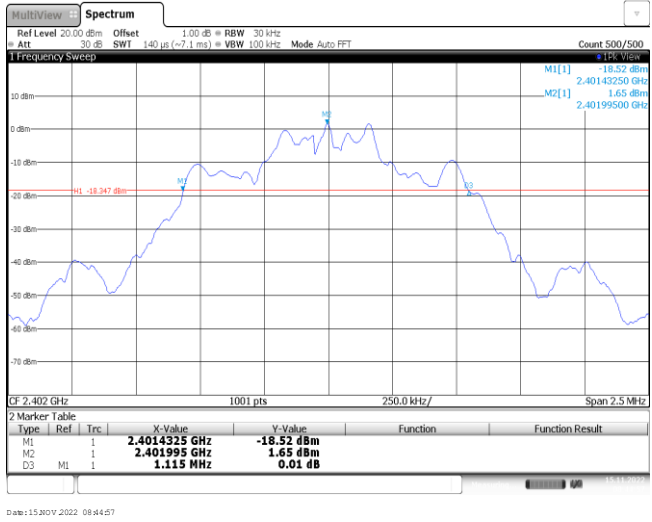


CH78



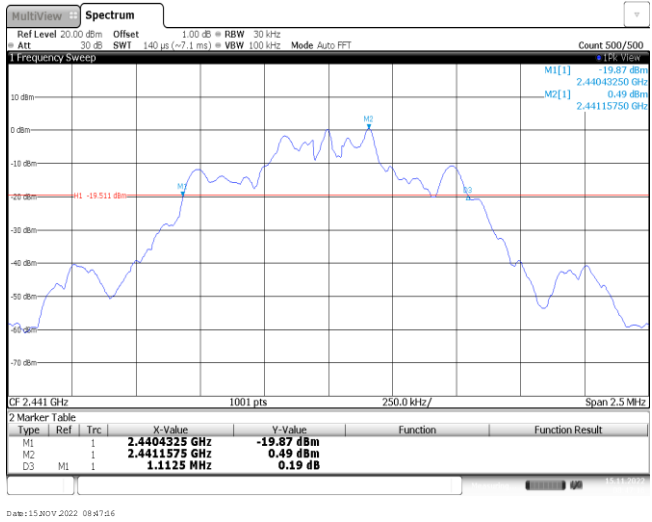
Modulation Type: 8DPSK

CH00



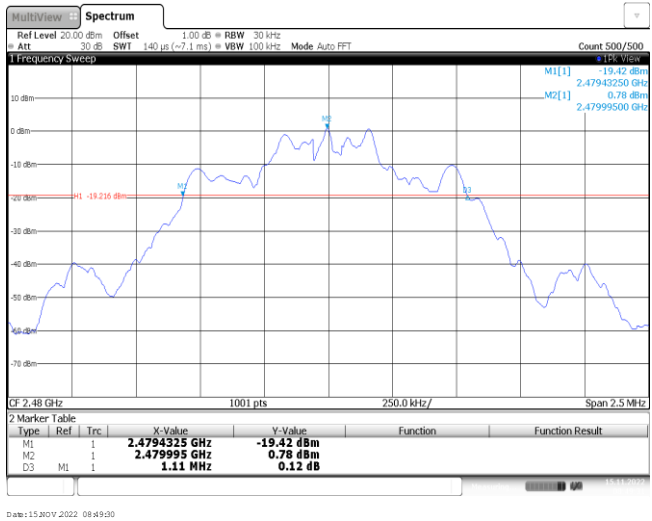
Date: 15 NOV 2022 08:44:57

CH39



Date: 15 NOV 2022 08:47:16

CH78



Date: 15 NOV 2022 08:49:20

Appendix C: 99% Occupied Bandwidth

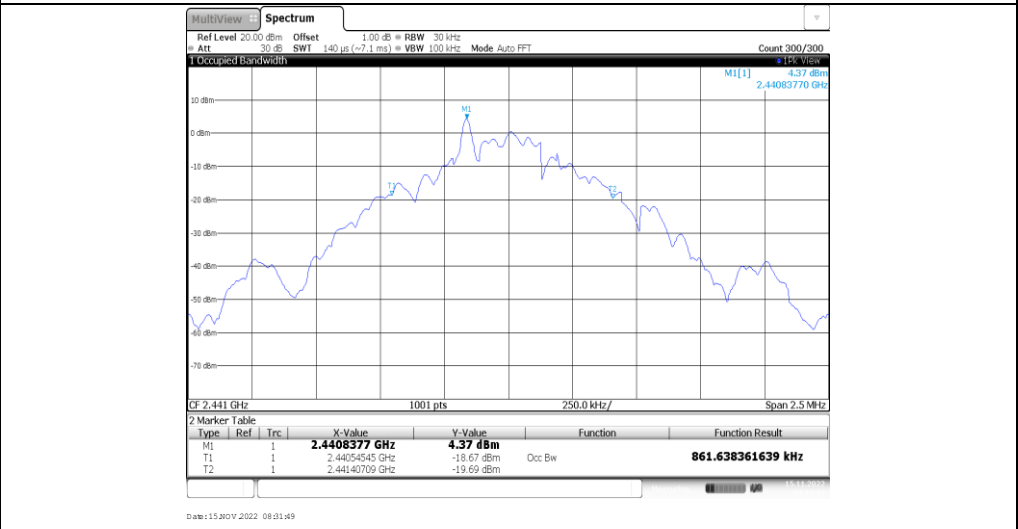
| Modulation type | Channel | 99% Occupied Bandwidth (MHz) | Limit (MHz) | Result |
|-----------------|---------|------------------------------|-------------|--------|
| GFSK | 00 | 0.83 | - | Pass |
| | 39 | 0.86 | | |
| | 78 | 0.84 | | |
| $\pi/4$ DQPSK | 00 | 1.07 | - | Pass |
| | 39 | 1.06 | | |
| | 78 | 1.07 | | |
| 8DPSK | 00 | 1.06 | - | Pass |
| | 39 | 1.06 | | |
| | 78 | 1.06 | | |

Modulation Type: GFSK

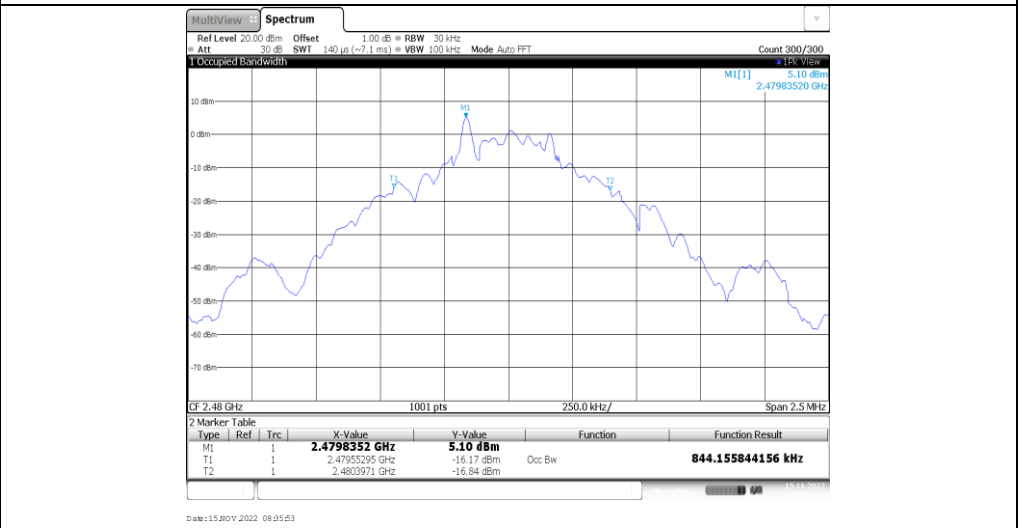
CH00



CH39

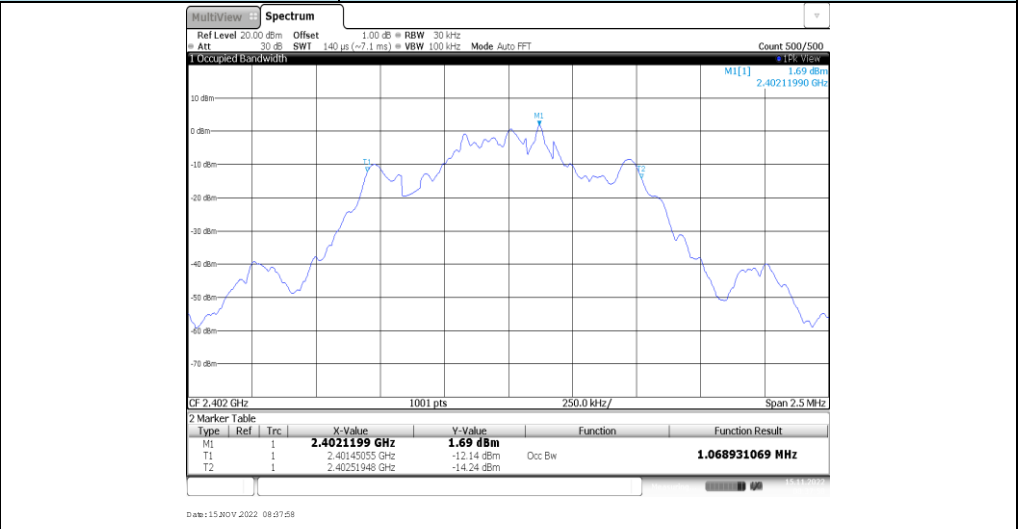


CH78

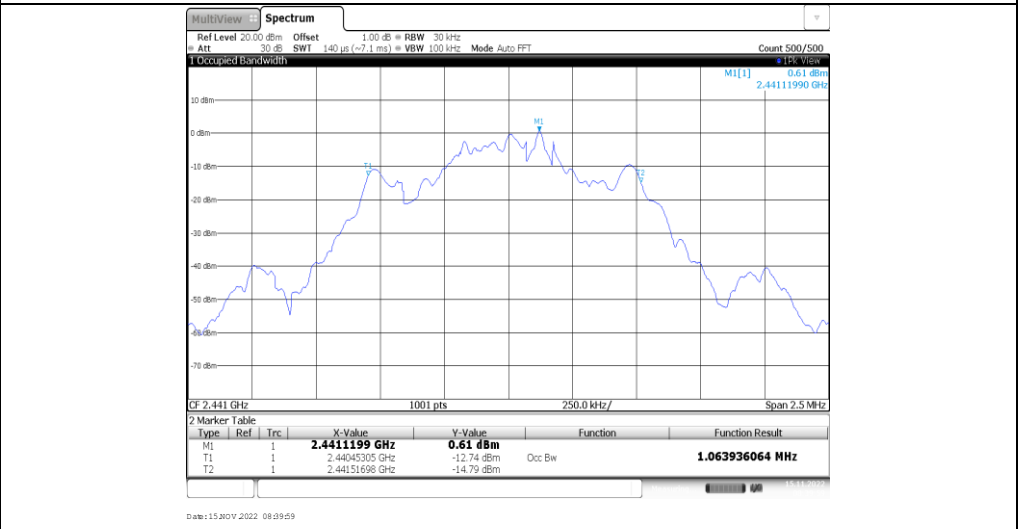


Modulation Type: **π /4DQPSK**

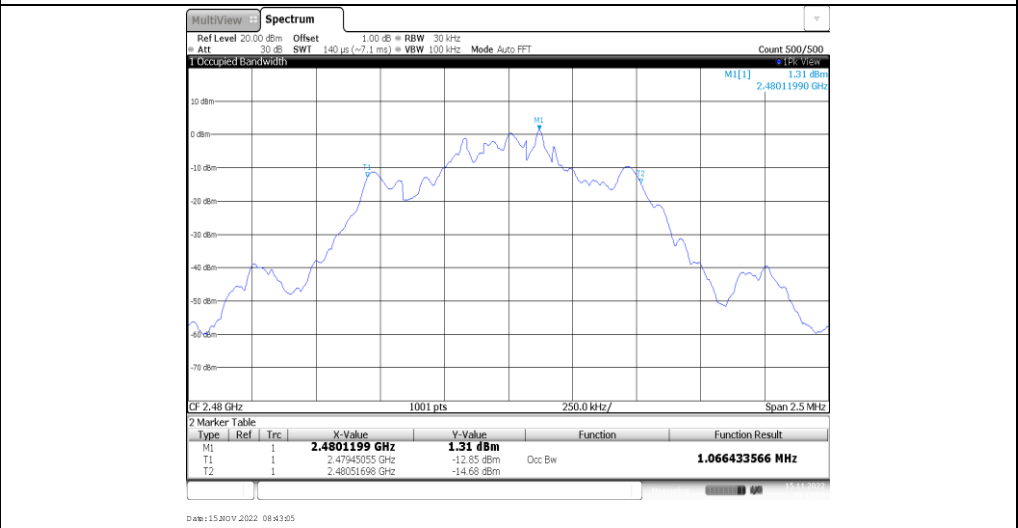
CH00



CH39

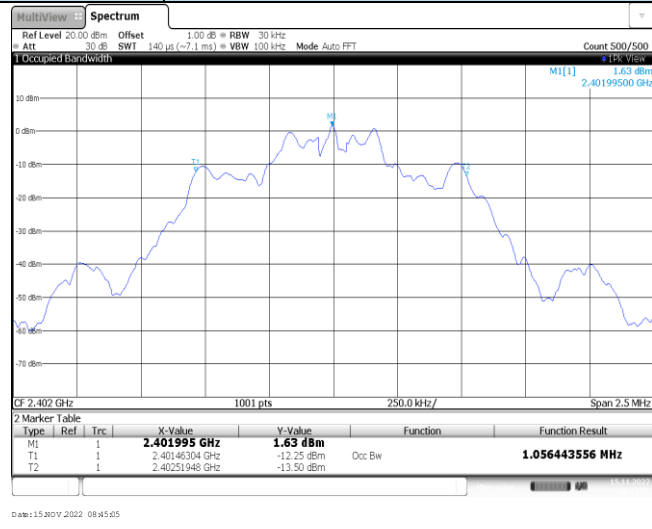


CH78

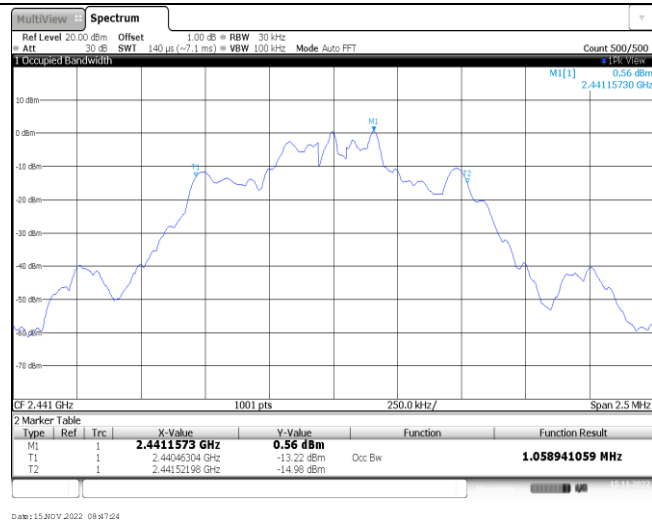


Modulation Type: 8DPSK

CH00



CH39



CH78



Appendix D: Carrier Frequencies Separation

| Modulation type | Channel | Carrier Frequencies Separation (MHz) | Limit (kHz) * | Result |
|-----------------|---------|--------------------------------------|---------------|--------|
| GFSK | 39 | 1.00 | ≥ 517.50 | Pass |
| $\pi/4$ DQPSK | 39 | 1.00 | ≥ 746.67 | Pass |
| 8DPSK | 39 | 1.00 | ≥ 743.33 | 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.

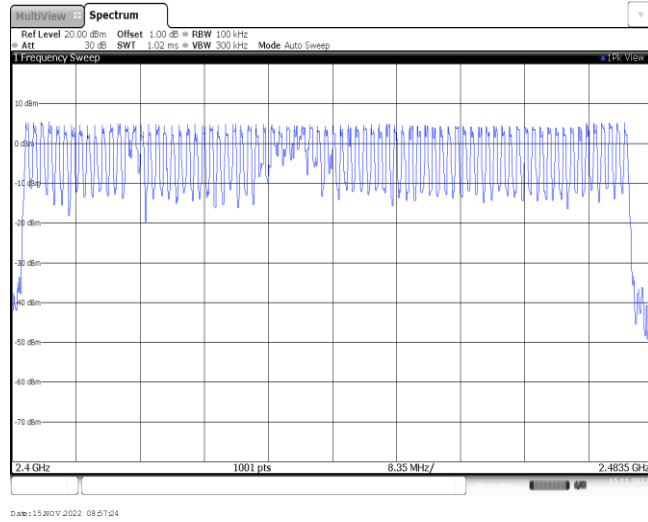
8DPSK limit = $2/3$ * The maximum 20 dB Bandwidth for 8DPSK modulation on the appendix B

| | |
|--|---|
| <p style="text-align: center;">GFSK</p> | <p style="text-align: center;">Date: 15 NOV 2022 08:53:20</p> |
| <p style="text-align: center;">$\pi/4$DQPSK</p> | <p style="text-align: center;">Date: 15 NOV 2022 08:54:47</p> |
| <p style="text-align: center;">8DPSK</p> | <p style="text-align: center;">Date: 15 NOV 2022 08:55:47</p> |

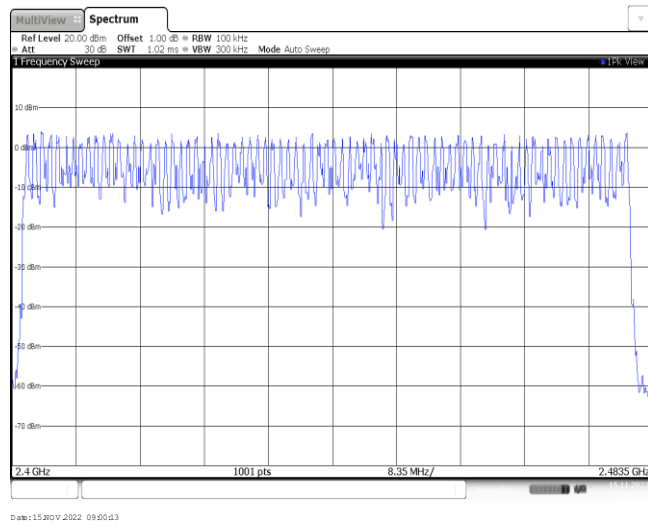
Appendix E: Hopping Channel Number

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

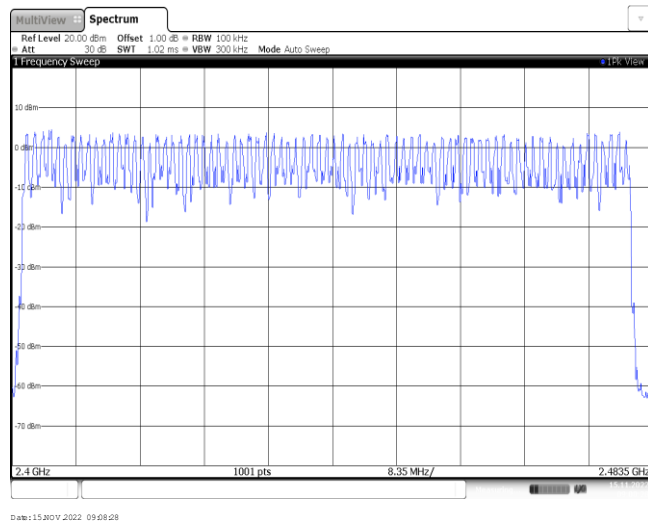
GFSK



$\pi/4$ DQPSK



8DPSK

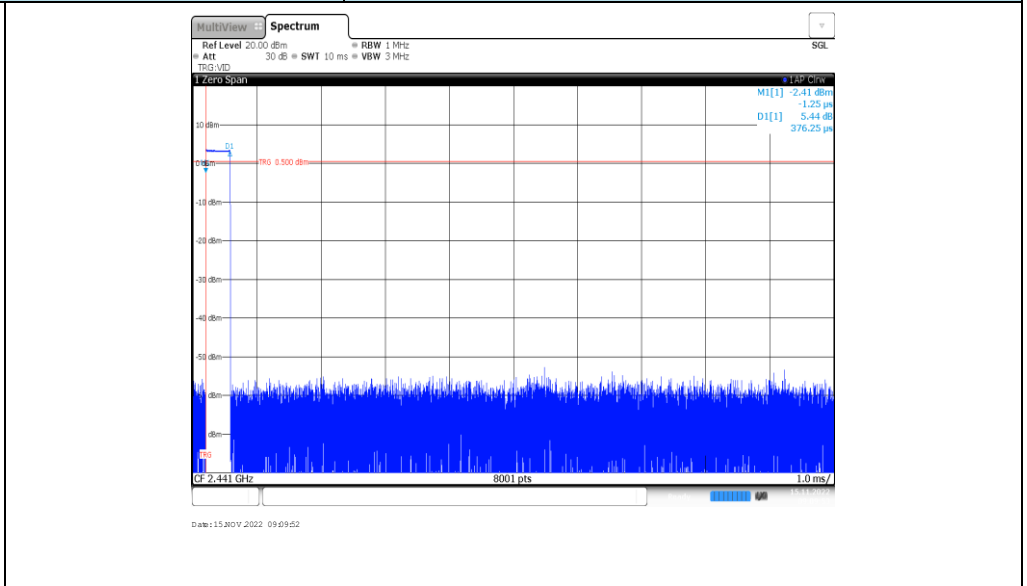


Appendix F: Dwell Time

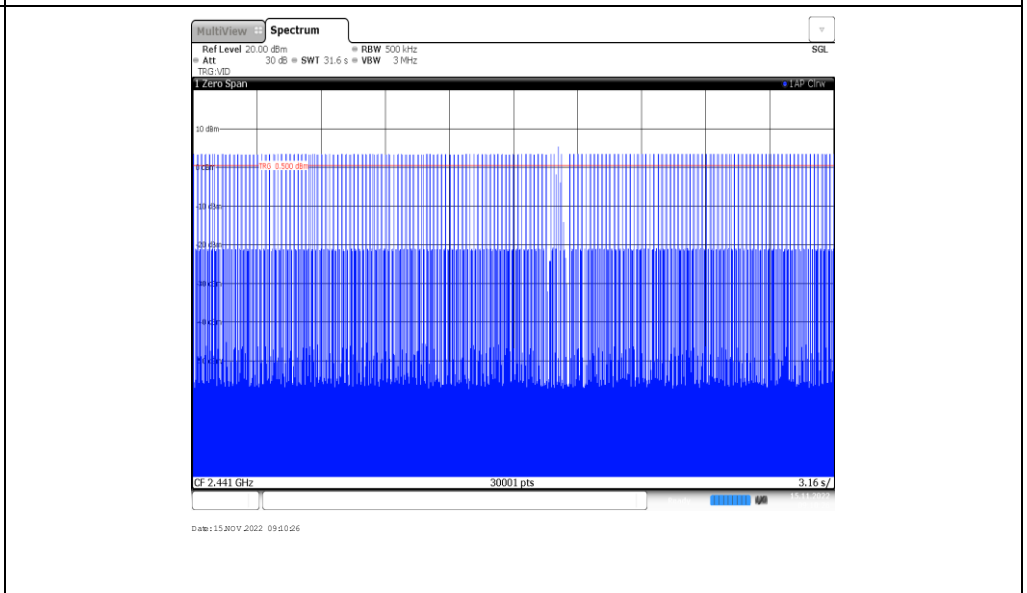
| Modulation type | Packet | Burst Width [ms] | Total Hops[hop*ch] | Dwell time (Second) | Limit (Second) | Result |
|-----------------|--------|------------------|--------------------|---------------------|----------------|--------|
| GFSK | DH1 | 0.38 | 308 | 0.12 | ≤ 0.40 | Pass |
| | DH3 | 1.63 | 158 | 0.26 | | |
| | DH5 | 2.88 | 116 | 0.33 | | |
| π/4DQPSK | 2DH1 | 0.38 | 314 | 0.12 | ≤ 0.40 | Pass |
| | 2DH3 | 1.64 | 159 | 0.26 | | |
| | 2DH5 | 2.89 | 103 | 0.30 | | |
| 8DPSK | 3DH1 | 0.38 | 313 | 0.12 | ≤ 0.40 | Pass |
| | 3DH3 | 1.64 | 157 | 0.26 | | |
| | 3DH5 | 2.89 | 105 | 0.30 | | |

Modulation Type: GFSK

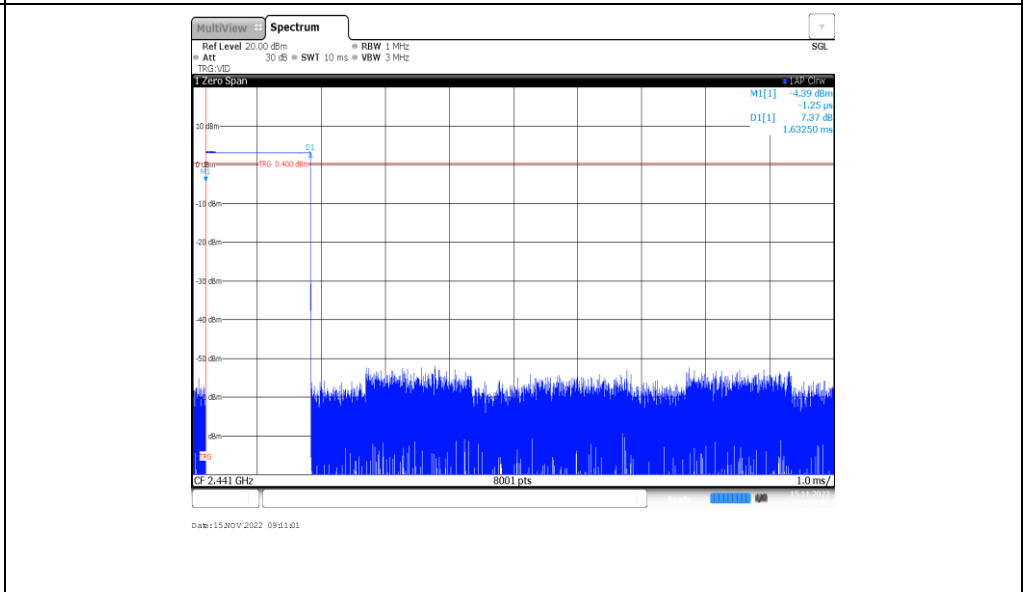
DH1
Burst width



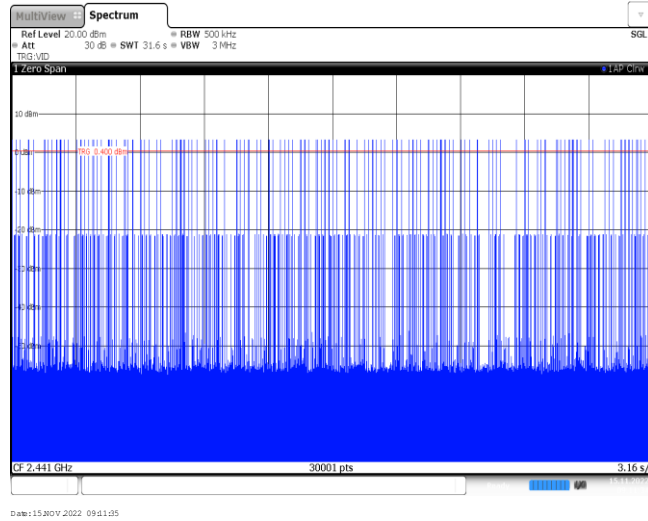
DH1
Burst number



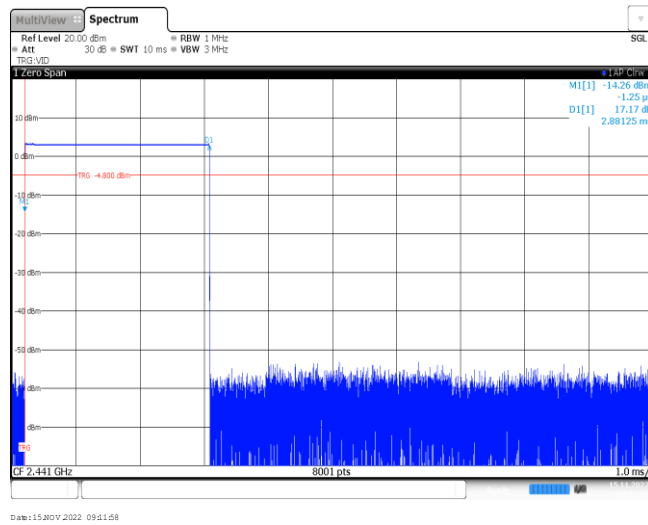
DH3
Burst width



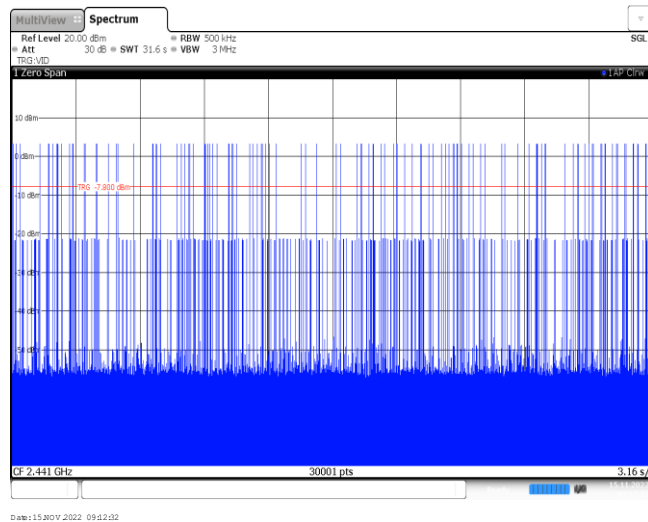
DH3
Burst number



DH5
Burst width

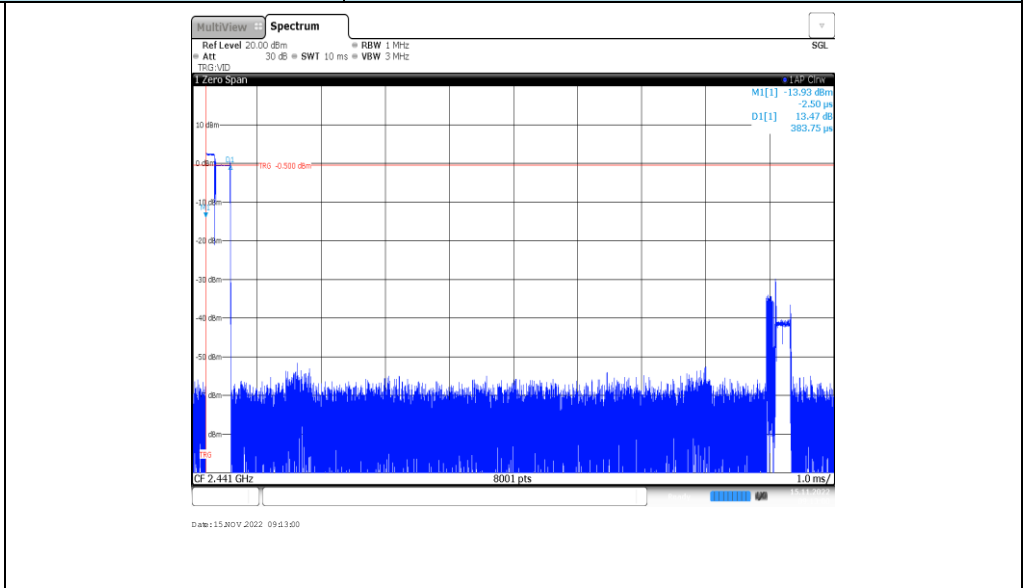


DH5
Burst number

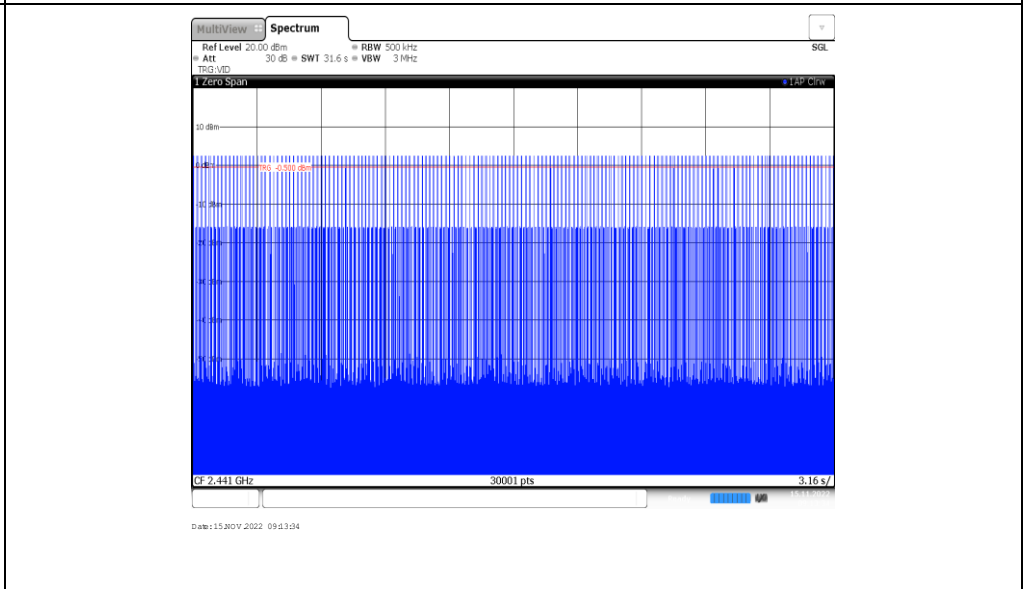


Modulation Type: $\pi/4$ DQPSK

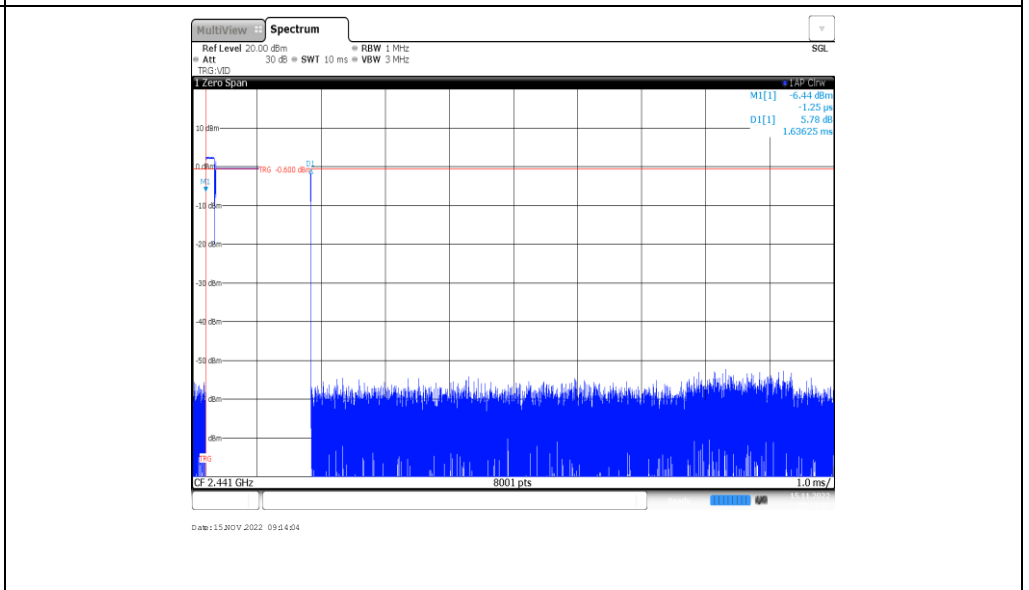
2DH1
Burst width



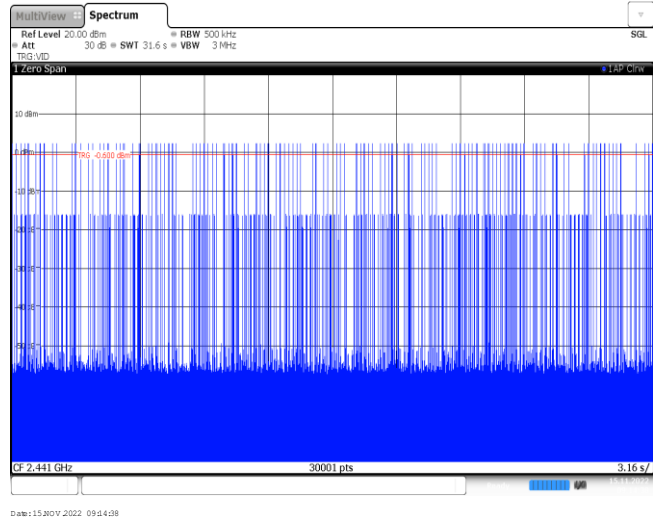
2DH1
Burst number



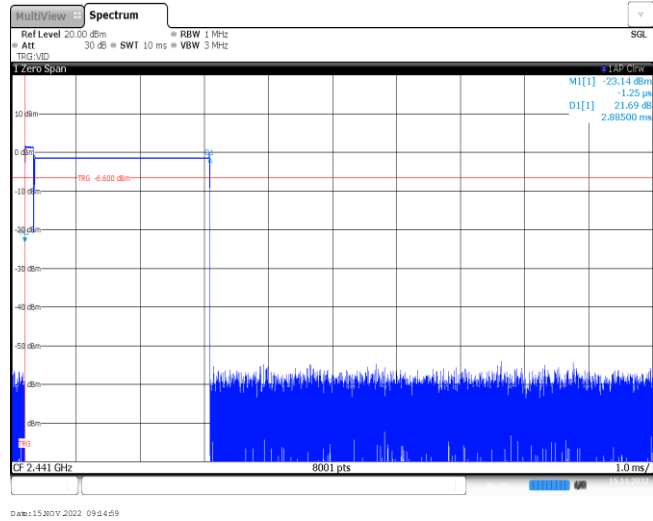
2DH3
Burst width



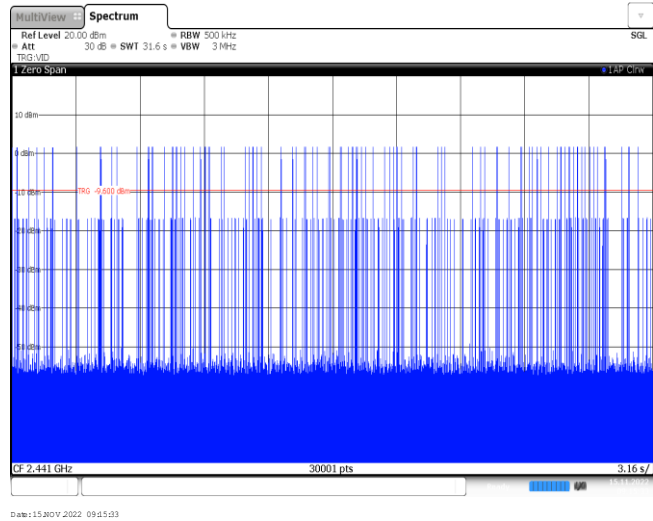
2DH3
Burst number



2DH5
Burst width

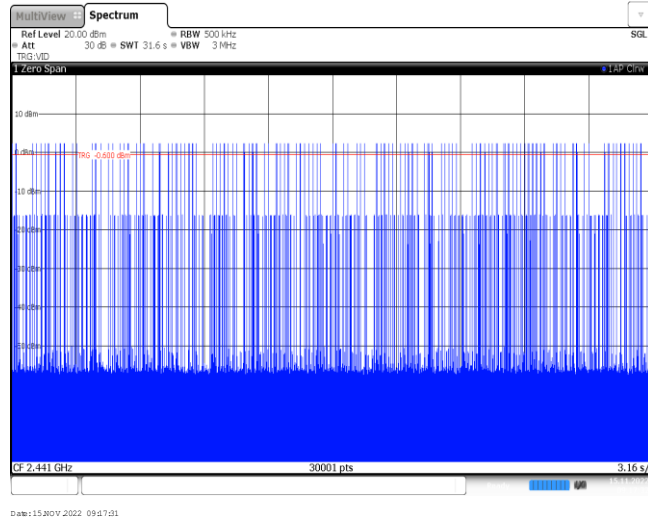


2DH5
Burst number

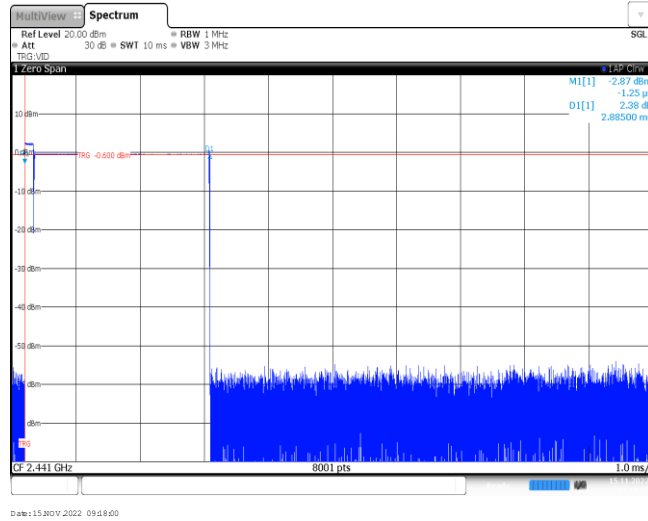


| Modulation Type: 8DPSK | |
|------------------------|--|
| 3DH1 Burst width | |
| 3DH1 Burst number | |
| 3DH3 Burst width | |

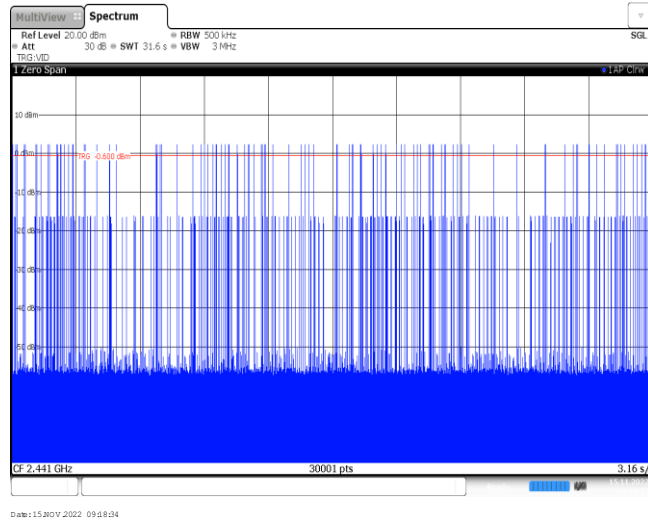
3DH3
Burst number



3DH5
Burst width



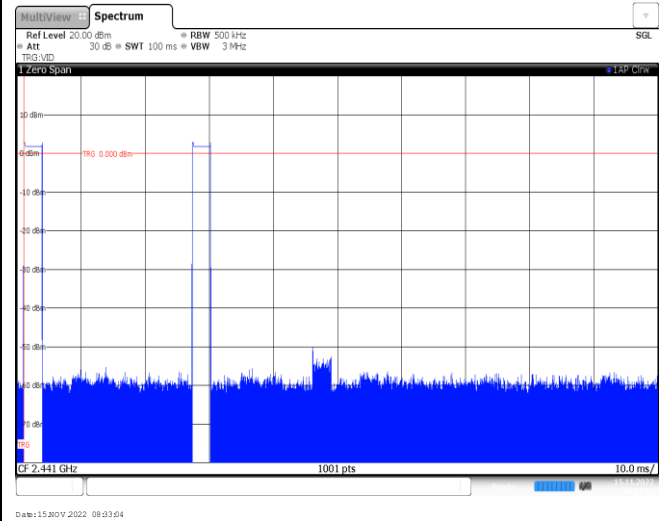
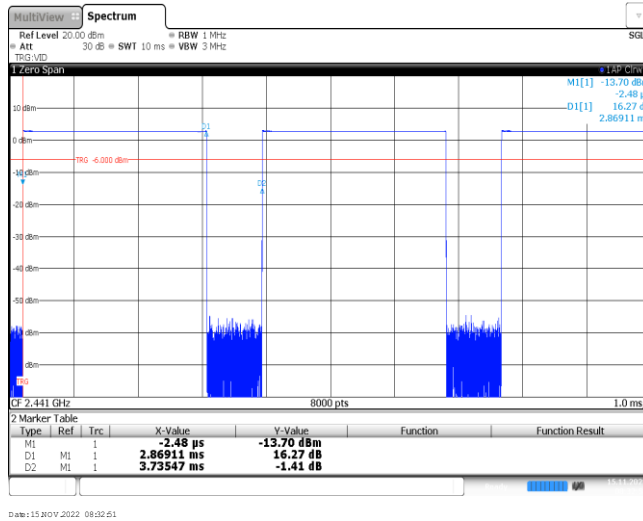
3DH5
Burst number



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 | 2.87 | 100 | 2 | -24.82 |
| $\pi/4$ DQPSK | 2441 | 2.87 | 100 | 2 | -24.82 |
| 8DPSK | 2441 | 2.87 | 100 | 2 | -24.82 |

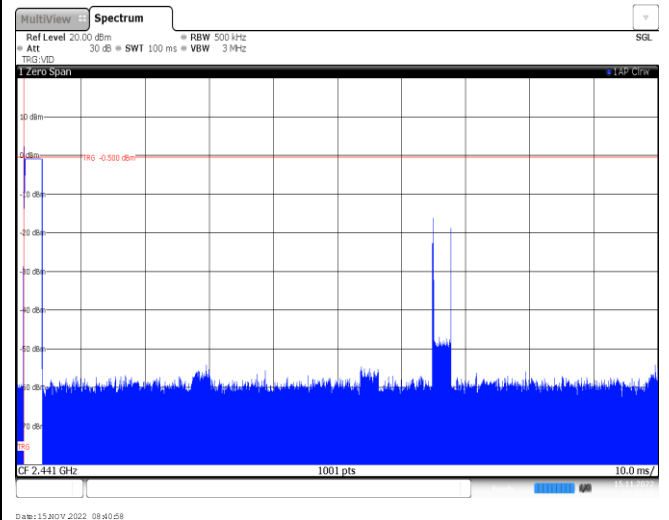
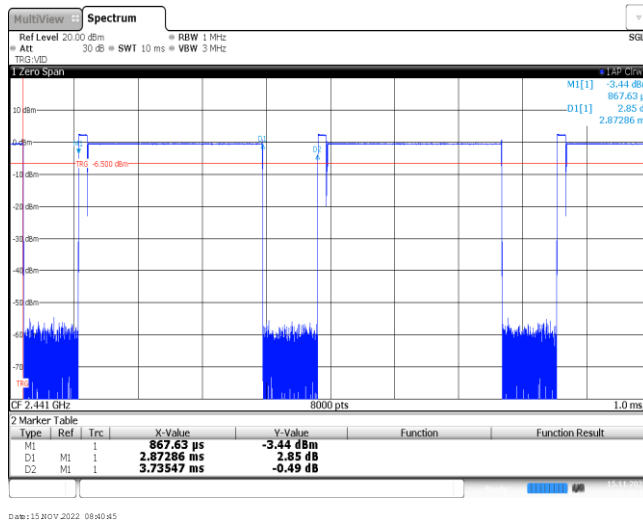
GFSK



Ton time for single burst

Burst Quantity

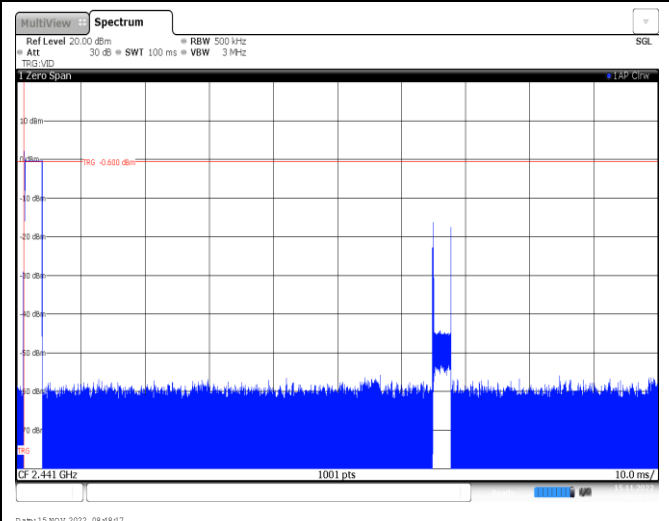
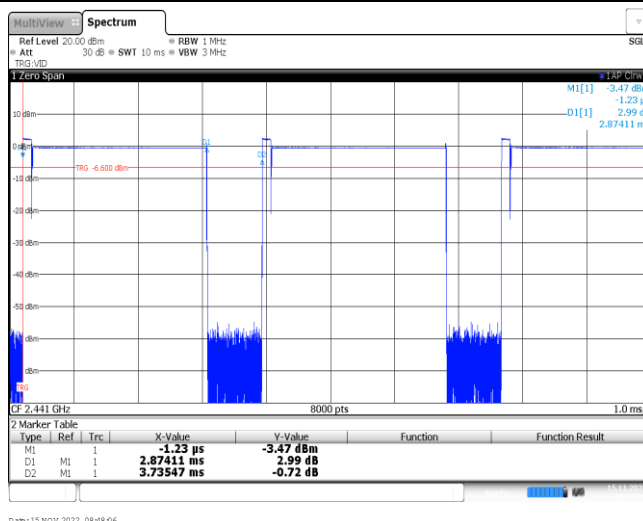
$\pi/4$ DQPSK



Ton time for single burst

Burst Quantity

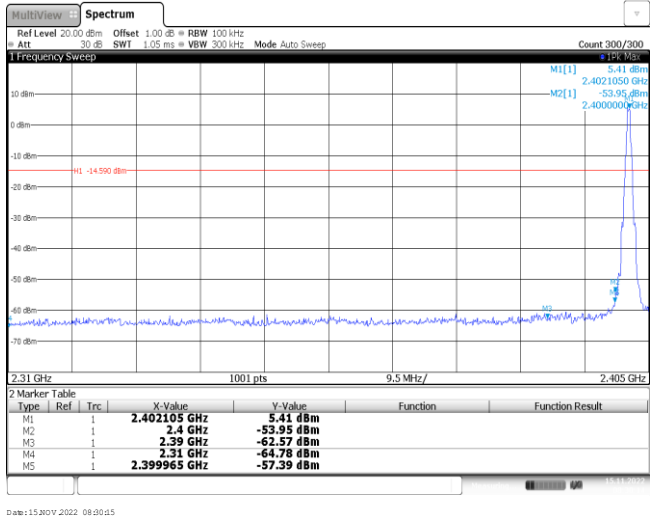
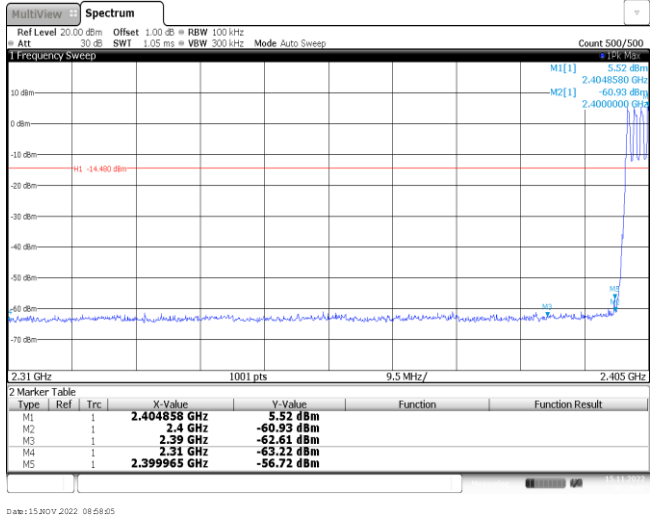
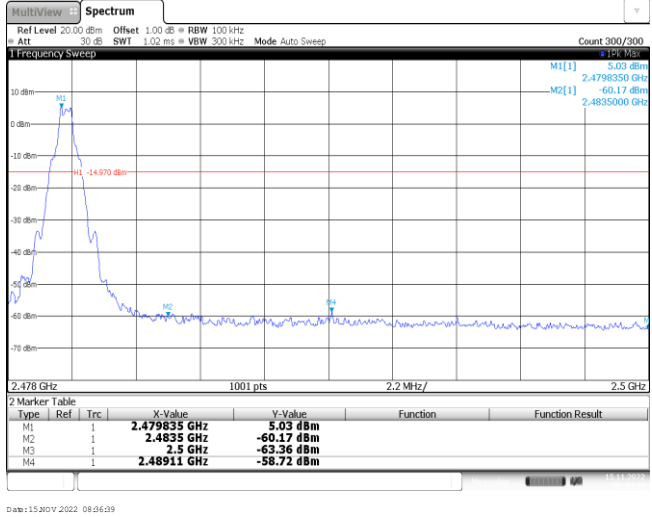
8DPSK



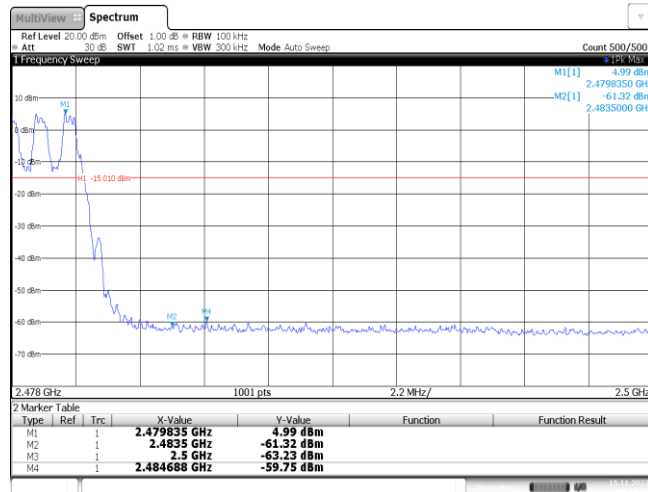
Ton time for single burst

Burst Quantity

Appendix H: Band edge and Spurious Emissions (conducted)

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

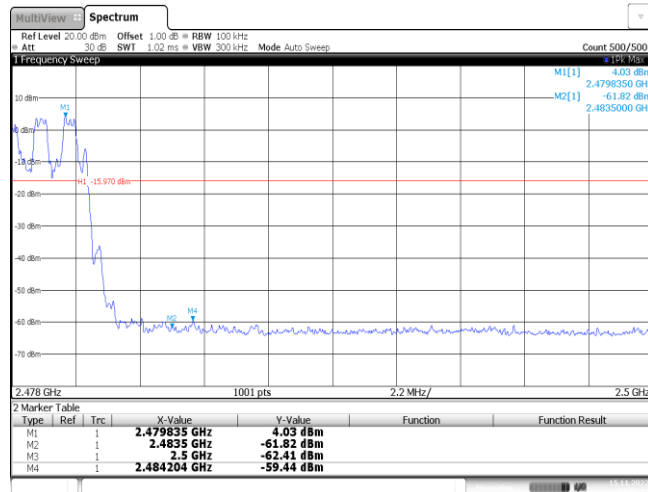
CH78
Hopping mode



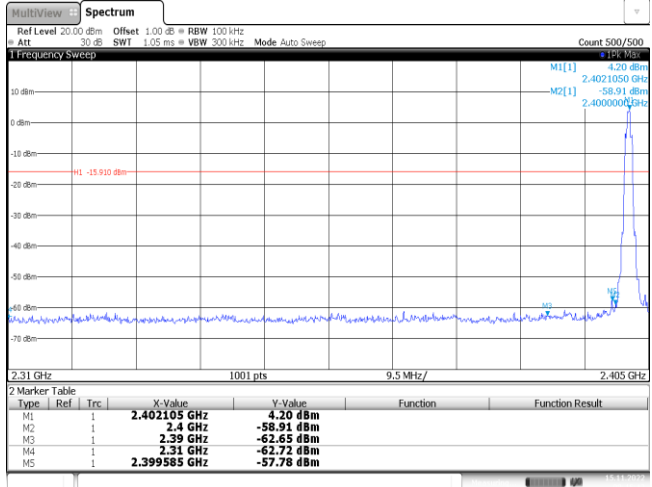
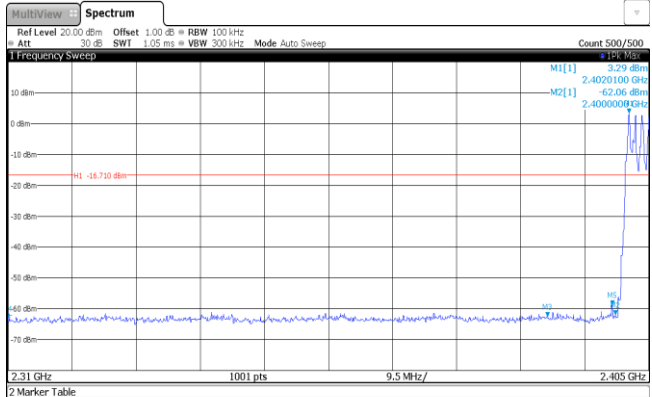
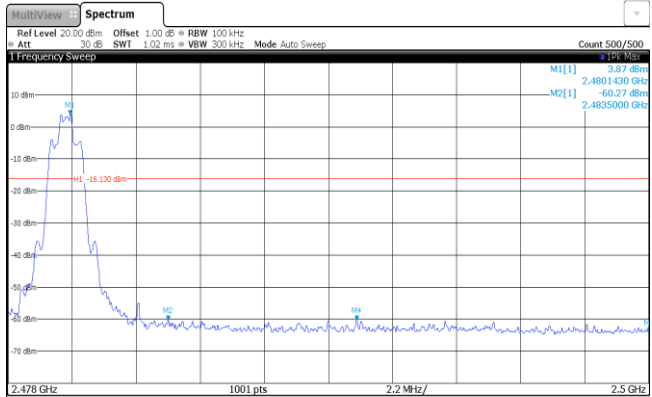
Date: 15/NOV/2022 08:58:50

| Test Item: | Band edge | Modulation type: | $\pi/4$ DQPSK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|--|------------------|---------------|------------|----------|-----------------|---------|---------|----------|-----------------|----|---|--|--------------|----------|--|--|----|---|--|------------|------------|--|--|----|---|--|----------|------------|--|--|----|---|--|--------------|------------|--|--|----|---|--|--------------|------------|--|--|
| <p>CH00 No hopping mode</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>2.401821 GHz</td> <td>4.01 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-58.15 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-62.53 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-63.56 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.39949 GHz</td> <td>-56.87 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 15 NOV 2022 09:38:48</p> | | | Type | Ref | Trc | X-Value | Y-Value | Function | Function Result | M1 | 1 | | 2.401821 GHz | 4.01 dBm | | | M2 | 1 | | 2.4 GHz | -58.15 dBm | | | M3 | 1 | | 2.39 GHz | -62.53 dBm | | | M4 | 1 | | 2.31 GHz | -63.56 dBm | | | M5 | 1 | | 2.39949 GHz | -56.87 dBm | | |
| Type | Ref | Trc | X-Value | Y-Value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | | 2.401821 GHz | 4.01 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M2 | 1 | | 2.4 GHz | -58.15 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M3 | 1 | | 2.39 GHz | -62.53 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M4 | 1 | | 2.31 GHz | -63.56 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M5 | 1 | | 2.39949 GHz | -56.87 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CH00 Hopping mode</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>2.403814 GHz</td> <td>4.40 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-58.14 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-62.24 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-63.38 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399585 GHz</td> <td>-57.31 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 15 NOV 2022 09:05:14</p> | | | Type | Ref | Trc | X-Value | Y-Value | Function | Function Result | M1 | 1 | | 2.403814 GHz | 4.40 dBm | | | M2 | 1 | | 2.4 GHz | -58.14 dBm | | | M3 | 1 | | 2.39 GHz | -62.24 dBm | | | M4 | 1 | | 2.31 GHz | -63.38 dBm | | | M5 | 1 | | 2.399585 GHz | -57.31 dBm | | |
| Type | Ref | Trc | X-Value | Y-Value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | | 2.403814 GHz | 4.40 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M2 | 1 | | 2.4 GHz | -58.14 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M3 | 1 | | 2.39 GHz | -62.24 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M4 | 1 | | 2.31 GHz | -63.38 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M5 | 1 | | 2.399585 GHz | -57.31 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CH78 No hopping mode</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>2.479835 GHz</td> <td>3.94 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-61.00 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-62.86 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.484248 GHz</td> <td>-58.65 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 15 NOV 2022 08:43:45</p> | | | Type | Ref | Trc | X-Value | Y-Value | Function | Function Result | M1 | 1 | | 2.479835 GHz | 3.94 dBm | | | M2 | 1 | | 2.4835 GHz | -61.00 dBm | | | M3 | 1 | | 2.5 GHz | -62.86 dBm | | | M4 | 1 | | 2.484248 GHz | -58.65 dBm | | | | | | | | | |
| Type | Ref | Trc | X-Value | Y-Value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | | 2.479835 GHz | 3.94 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M2 | 1 | | 2.4835 GHz | -61.00 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M3 | 1 | | 2.5 GHz | -62.86 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M4 | 1 | | 2.484248 GHz | -58.65 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

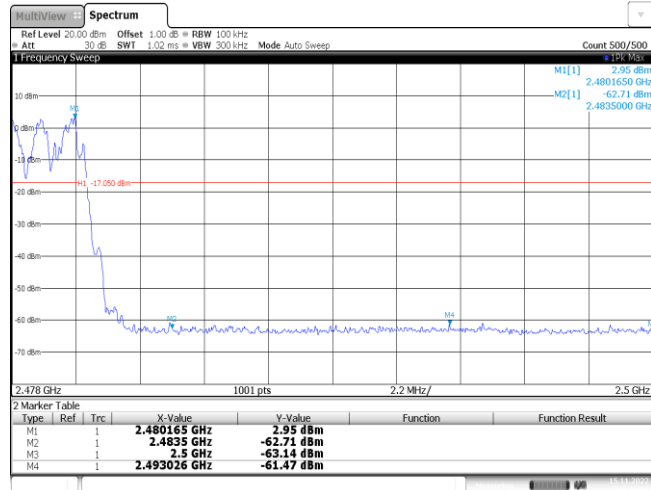
CH78
Hopping mode



Date: 15/NOV/2022 09:06:21

| Test Item: | Band edge | Modulation type: | 8DPSK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|------------------|--------------|------------|----------|-----------------|---------|---------|----------|-----------------|----|---|--|--------------|----------|--|--|----|---|--|------------|------------|--|--|----|---|--|----------|------------|--|--|----|---|--|--------------|------------|--|--|----|---|--|--------------|------------|--|--|
| <p>CH00 No hopping mode</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>2.402105 GHz</td> <td>4.20 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-58.91 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-62.65 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-62.72 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399585 GHz</td> <td>-57.78 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 15 NOV 2022 08:45:43</p> | | | Type | Ref | Trc | X-Value | Y-Value | Function | Function Result | M1 | 1 | | 2.402105 GHz | 4.20 dBm | | | M2 | 1 | | 2.4 GHz | -58.91 dBm | | | M3 | 1 | | 2.39 GHz | -62.65 dBm | | | M4 | 1 | | 2.31 GHz | -62.72 dBm | | | M5 | 1 | | 2.399585 GHz | -57.78 dBm | | |
| Type | Ref | Trc | X-Value | Y-Value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | | 2.402105 GHz | 4.20 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M2 | 1 | | 2.4 GHz | -58.91 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M3 | 1 | | 2.39 GHz | -62.65 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M4 | 1 | | 2.31 GHz | -62.72 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M5 | 1 | | 2.399585 GHz | -57.78 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CH00 Hopping mode</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>2.40201 GHz</td> <td>3.29 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-62.06 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-62.54 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-62.17 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399585 GHz</td> <td>-58.77 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 15 NOV 2022 09:08:55</p> | | | Type | Ref | Trc | X-Value | Y-Value | Function | Function Result | M1 | 1 | | 2.40201 GHz | 3.29 dBm | | | M2 | 1 | | 2.4 GHz | -62.06 dBm | | | M3 | 1 | | 2.39 GHz | -62.54 dBm | | | M4 | 1 | | 2.31 GHz | -62.17 dBm | | | M5 | 1 | | 2.399585 GHz | -58.77 dBm | | |
| Type | Ref | Trc | X-Value | Y-Value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | | 2.40201 GHz | 3.29 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M2 | 1 | | 2.4 GHz | -62.06 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M3 | 1 | | 2.39 GHz | -62.54 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M4 | 1 | | 2.31 GHz | -62.17 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M5 | 1 | | 2.399585 GHz | -58.77 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CH78 No hopping mode</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>2.480143 GHz</td> <td>3.87 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-60.27 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-63.13 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.489968 GHz</td> <td>-60.35 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 15 NOV 2022 08:50:21</p> | | | Type | Ref | Trc | X-Value | Y-Value | Function | Function Result | M1 | 1 | | 2.480143 GHz | 3.87 dBm | | | M2 | 1 | | 2.4835 GHz | -60.27 dBm | | | M3 | 1 | | 2.5 GHz | -63.13 dBm | | | M4 | 1 | | 2.489968 GHz | -60.35 dBm | | | | | | | | | |
| Type | Ref | Trc | X-Value | Y-Value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | | 2.480143 GHz | 3.87 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M2 | 1 | | 2.4835 GHz | -60.27 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M3 | 1 | | 2.5 GHz | -63.13 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M4 | 1 | | 2.489968 GHz | -60.35 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

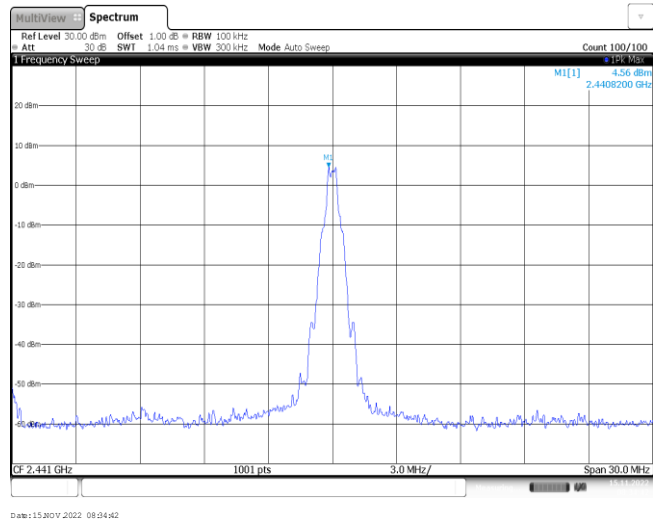
CH78
Hoppig mode



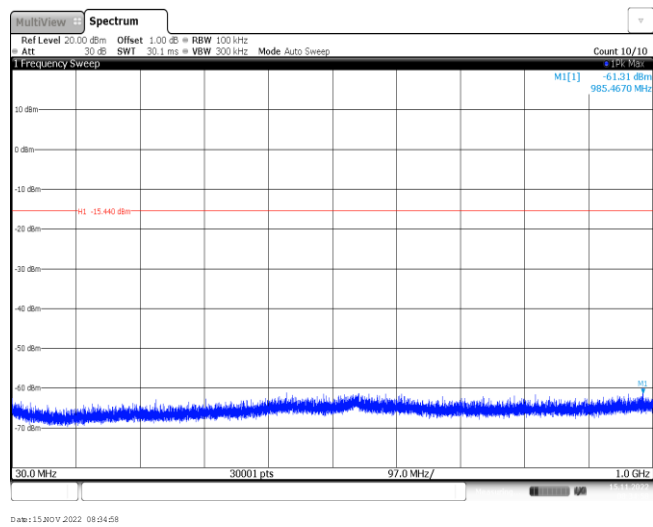
Date: 15/NOV/2022 09:09:24

| Test Item: | Spurious Emission | Modulation type: | GFSK |
|---------------------------------|--|------------------|------|
| <p>CH00 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 Frequency Sweep M1[1] 5.21 dBm 2.4018200 GHz CF 2.402 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 15 NOV 2022 08:30:21</p> | | |
| <p>CH00 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 Frequency Sweep M1[1] -61.03 dBm 611.0270 MHz M1 -14.780 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 15 NOV 2022 08:30:27</p> | | |
| <p>CH00 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 Frequency Sweep M1[1] -51.12 dBm 7.205000 GHz M1 -14.780 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 15 NOV 2022 08:31:10</p> | | |

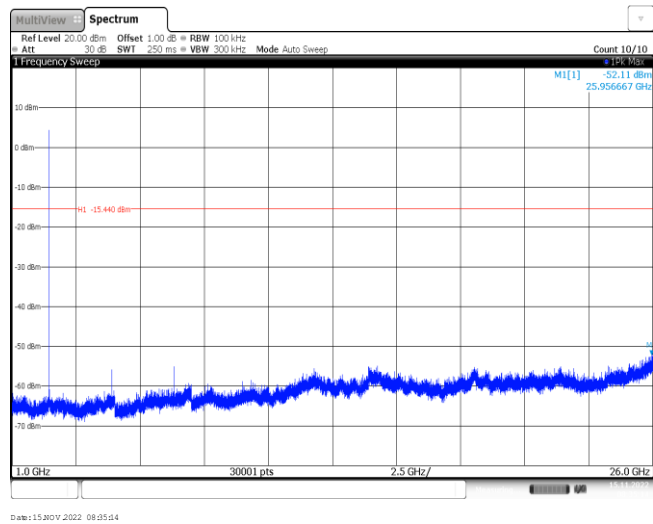
CH39
Reference level



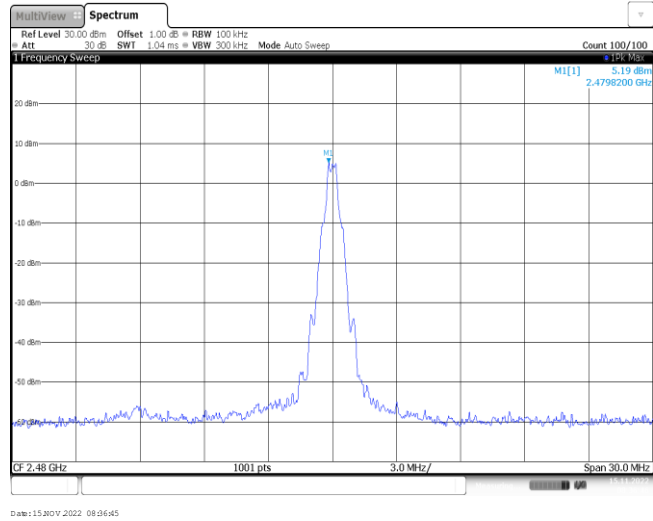
CH39
30MHz~1000MHz



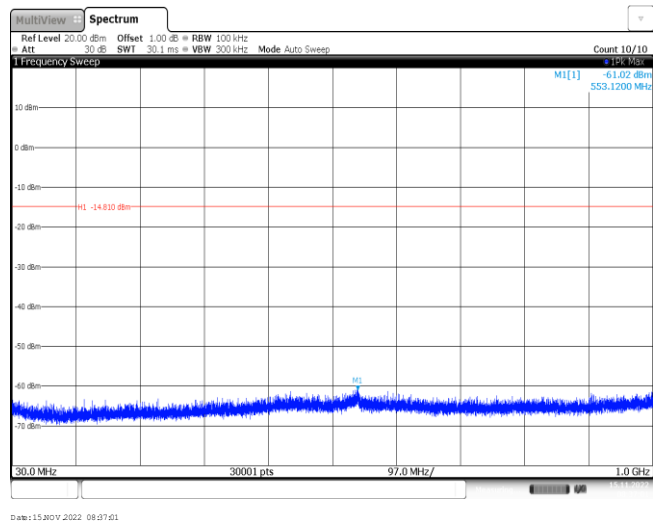
CH39
1GHz~26GHz



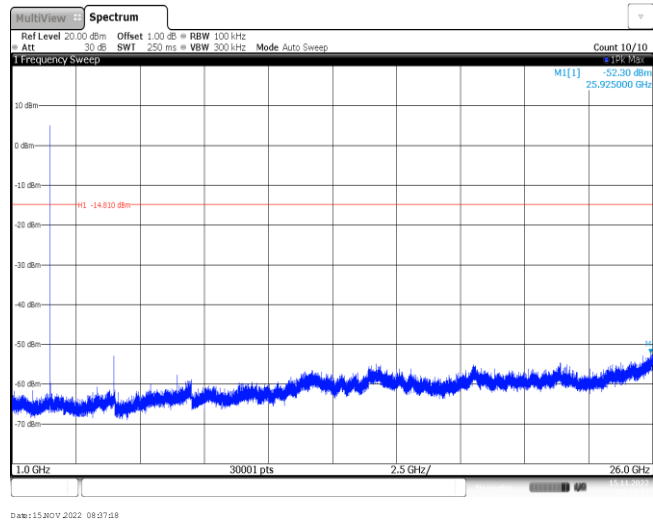
CH78
Reference level

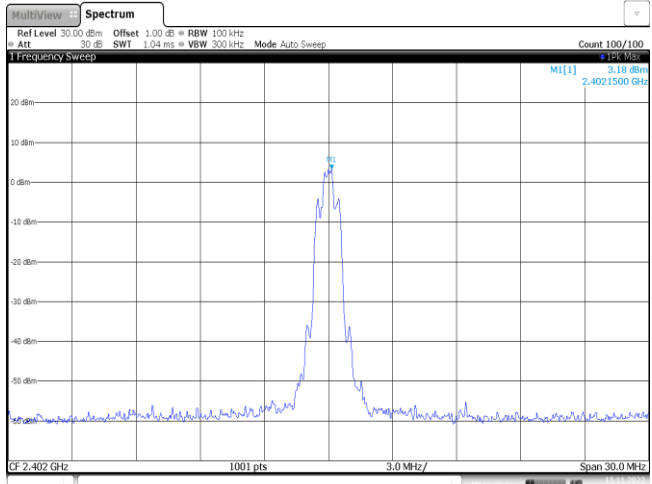
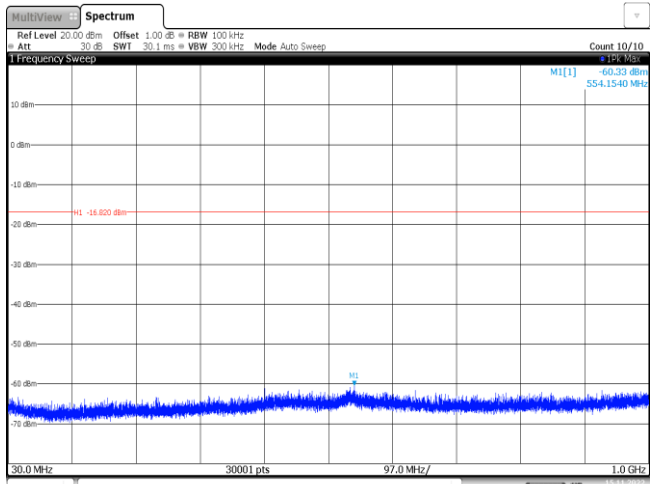
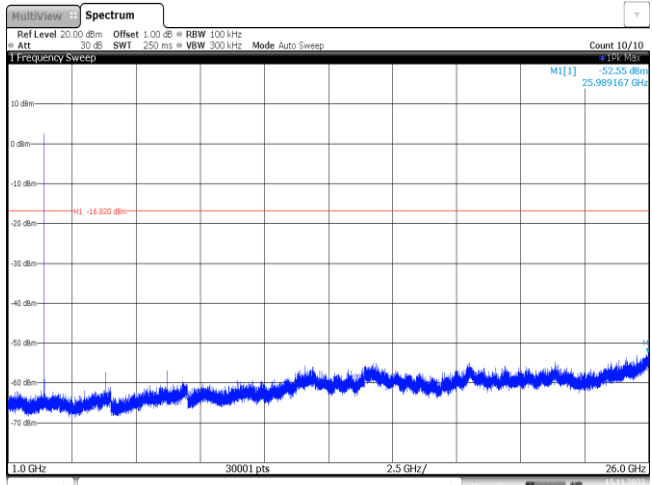


CH78
30MHz~1000MHz

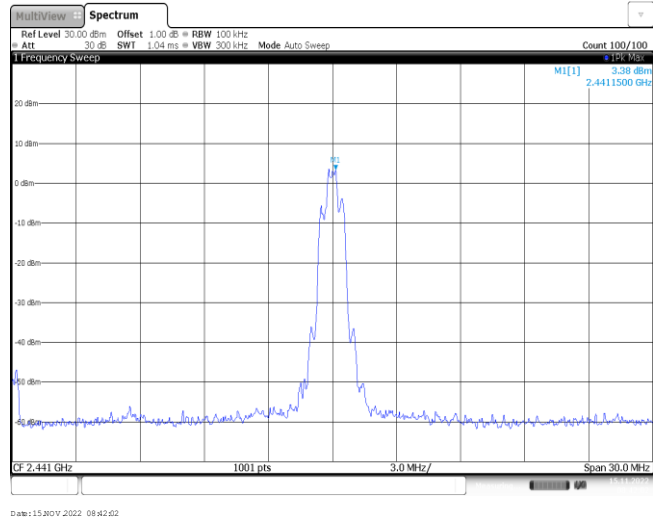


CH78
1GHz~26GHz

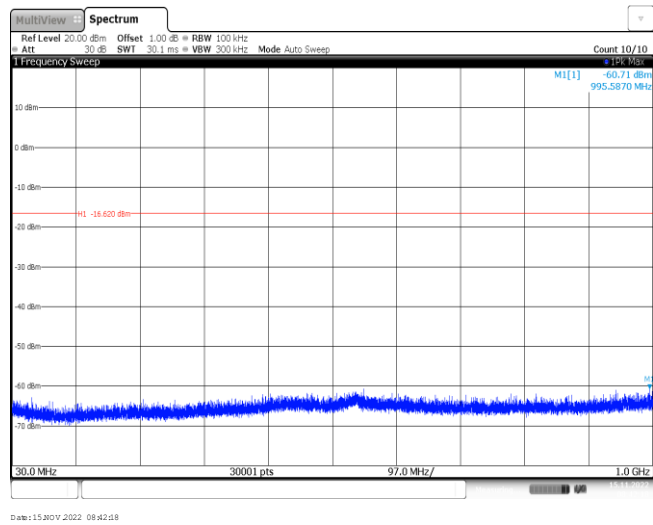


| Test Item: | Spurious Emission | Modulation type: | $\pi/4$ DQPSK |
|---------------------------------|--|------------------|---------------|
| <p>CH00 Reference level</p> |  <p>Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SW1 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 M1[1] 3.18 dBm 2.4021500 GHz CF 2.402 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 15 NOV 2022 08:38:54</p> | | |
| <p>CH00 30MHz~1000MHz</p> |  <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SW1 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -60.53 dBm 554.1540 MHz M1 -16.600 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 15 NOV 2022 08:39:10</p> | | |
| <p>CH00 1GHz~26GHz</p> |  <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SW1 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -52.55 dBm 25.989167 GHz M1 -16.600 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 15 NOV 2022 08:39:27</p> | | |

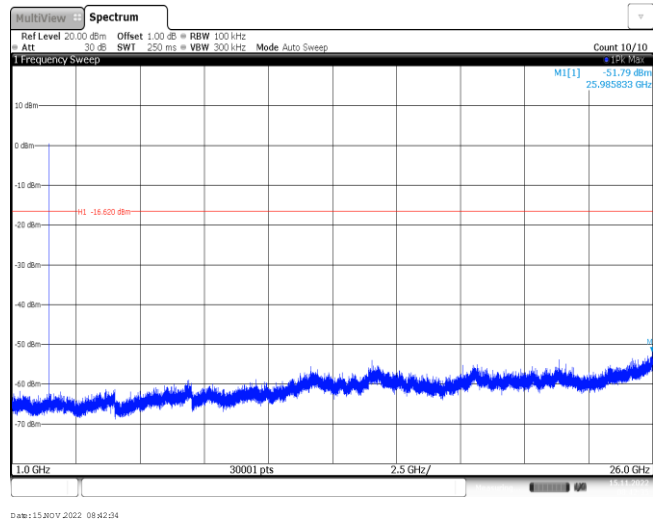
CH39
Reference level



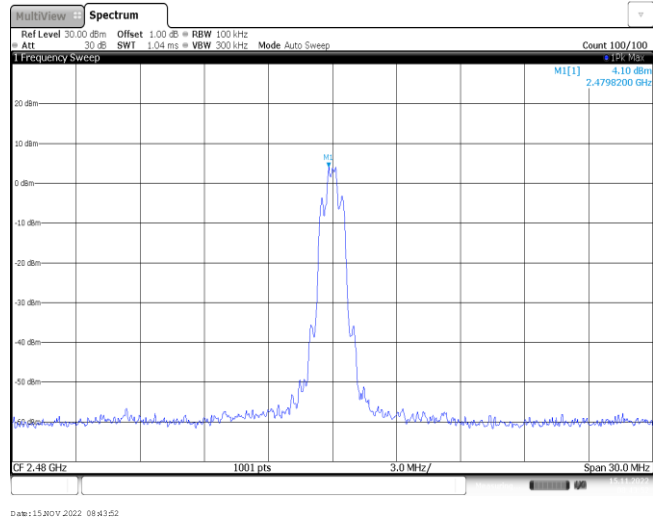
CH39
30MHz~1000MHz



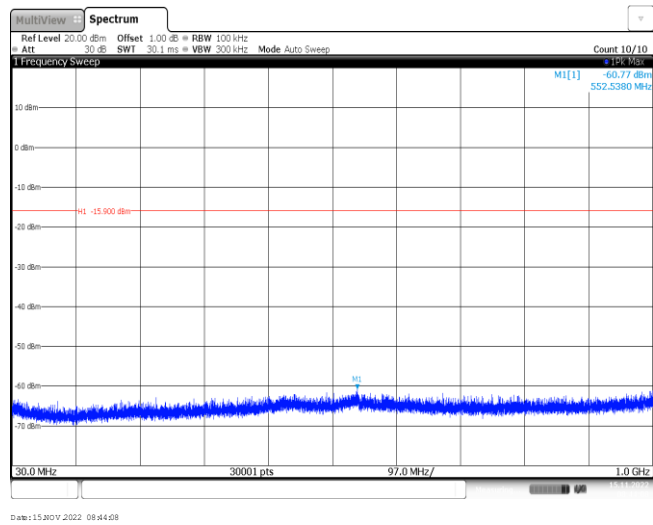
CH39
1GHz~26GHz



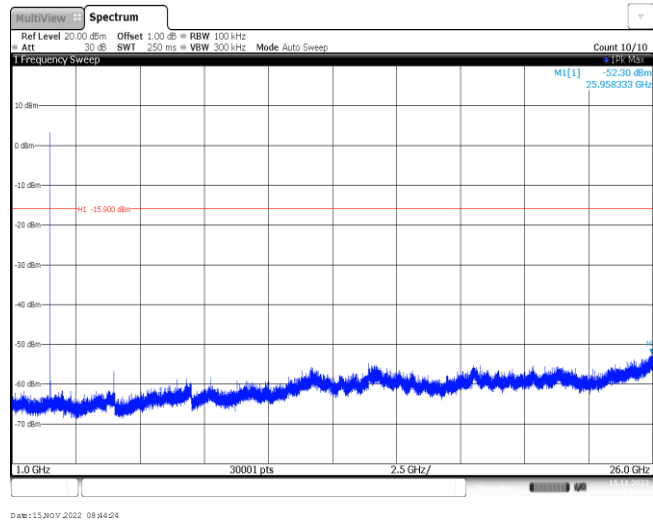
CH78
Reference level

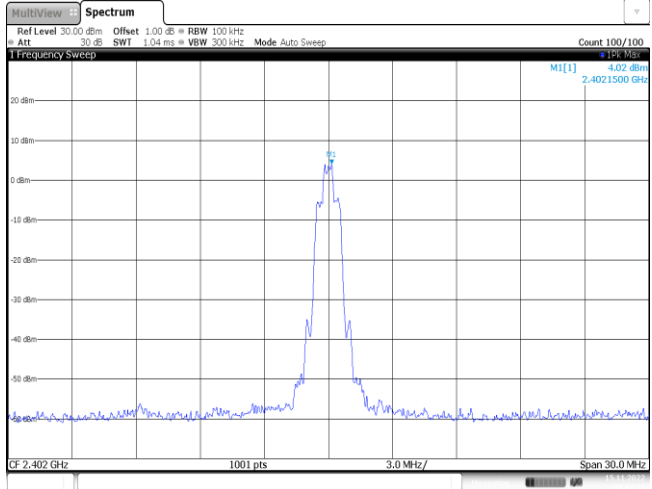
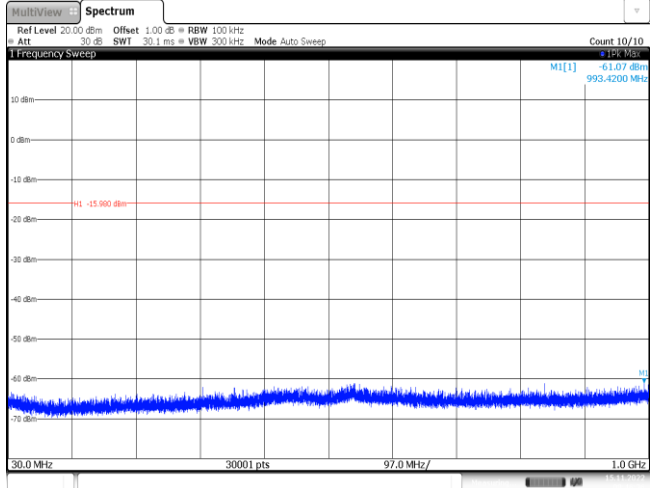
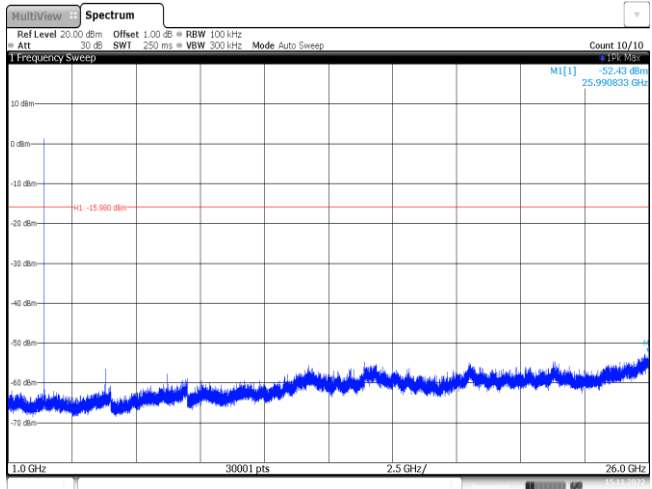


CH78
30MHz~1000MHz

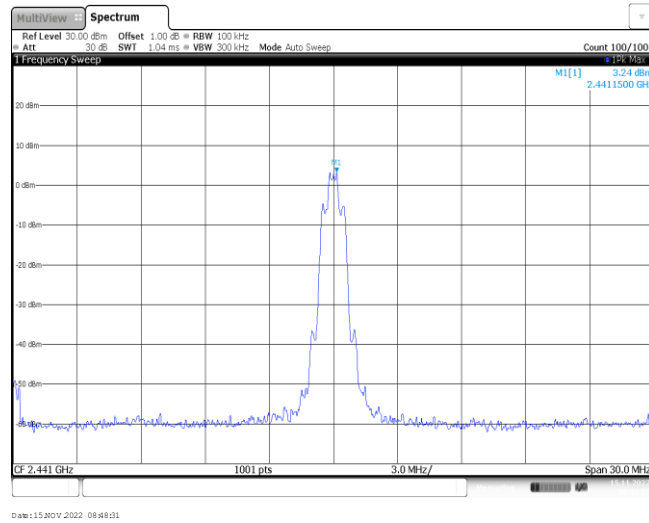


CH78
1GHz~26GHz

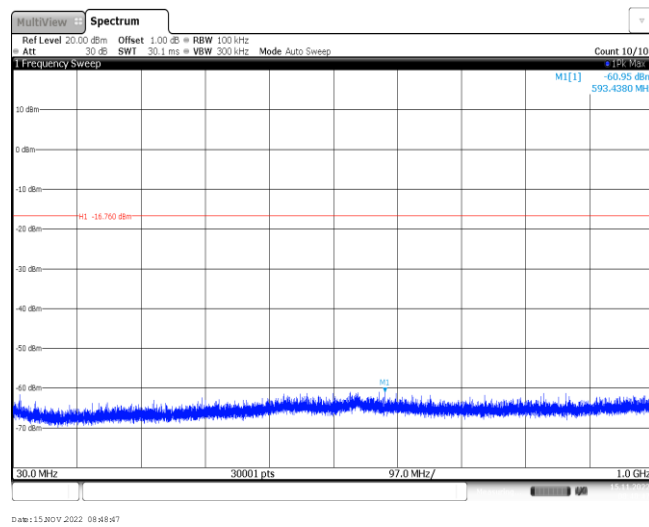


| Test Item: | Spurious Emission | Modulation type: | 8DPSK |
|---------------------------------|--|------------------|-------|
| <p>CH00 Reference level</p> |  <p>Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SW1 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 M1[1] 4.02 dBm 2.4021500 GHz CF 2.402 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 15 NOV 2022 08:46:20</p> | | |
| <p>CH00 30MHz~1000MHz</p> |  <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SW1 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -61.07 dBm 993.4200 MHz M1 -15.900 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 15 NOV 2022 08:46:26</p> | | |
| <p>CH00 1GHz~26GHz</p> |  <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SW1 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -52.43 dBm 25.990833 GHz M1 -15.900 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 15 NOV 2022 08:46:52</p> | | |

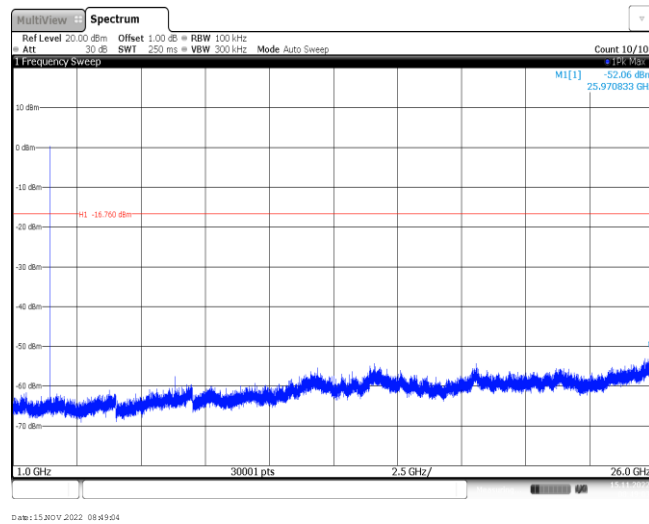
CH39
Reference level



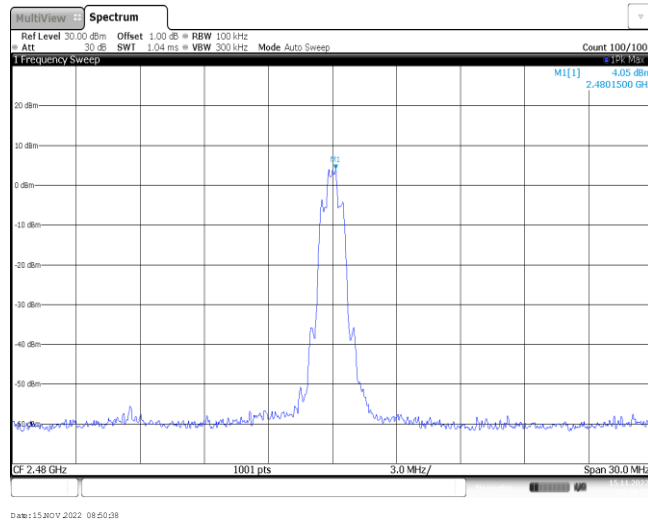
CH39
30MHz~1000MHz



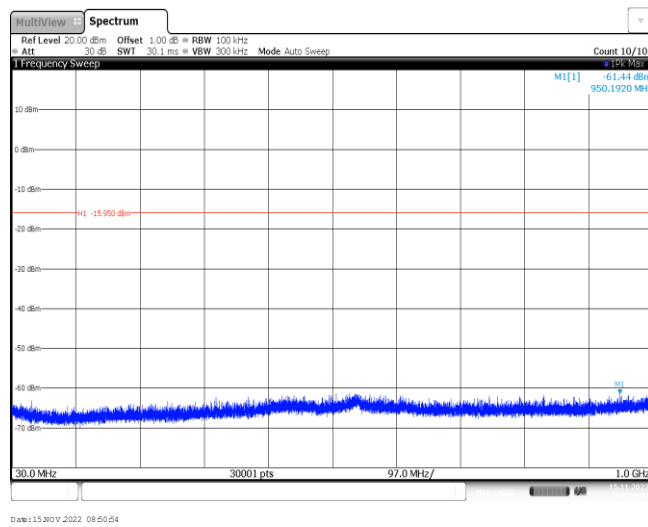
CH39
1GHz~26GHz



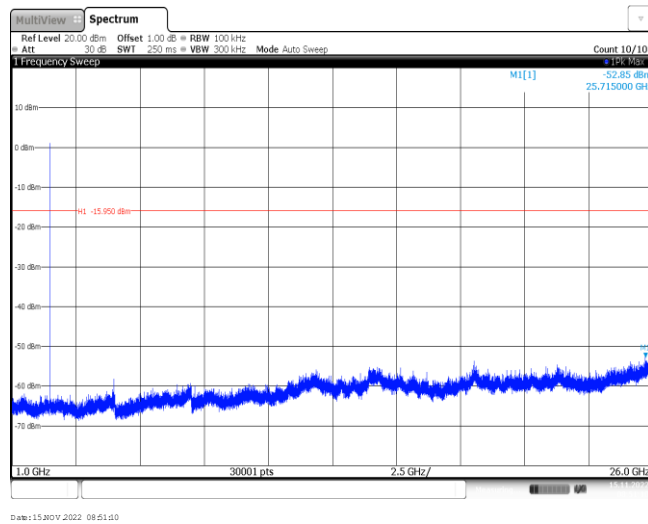
CH78
Reference level



CH78
30MHz~1000MHz



CH78
1GHz~26GHz



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