

APPENDIX REPORT

Project No.	SHT2103073009EW	Radio Specification	Bluetooth EDR
Test sample No.	YPHT21030730046	Model No.	X55
Start test date	2021-04-27	Finish date	2021-04-27
Temperature	24.7°C	Humidity	33%
Test Engineer	Hailey Chen	Auditor	Xiaodong Zhao

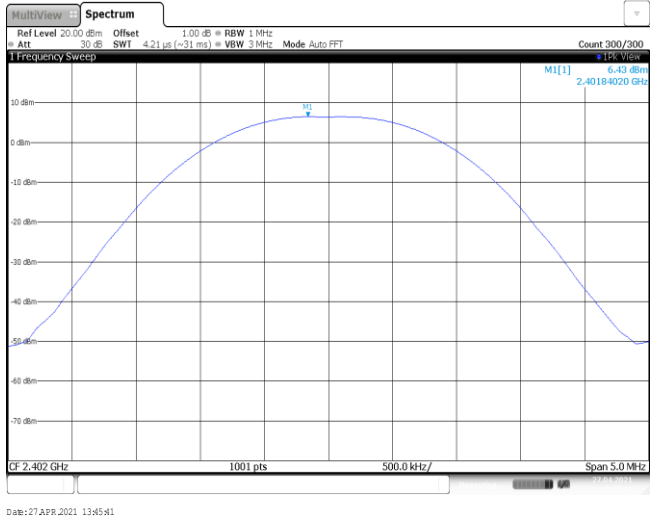
Appendix clause	Test item	Result
A	Peak Output Power	PASS
B	20 dB Bandwidth	PASS
C	99% Occupied Bandwidth	PASS
D	Carrier Frequencies Separation	PASS
E	Hopping Channel Number	PASS
F	Dwell Time	PASS
G	Duty Cycle Correction Factor (DCCF)	PASS
H	Band edge and Spurious Emissions(coducted)	PASS

Appendix A: Peak Output Power

Modulation type	Channel	Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
GFSK	00	6.43	6.41	≤ 30.00	Pass
	39	6.72	6.71		
	78	5.29	5.28		
π/4DQPSK	00	6.49	5.83	≤ 21.00	Pass
	39	7.37	6.71		
	78	6.51	5.85		
8DPSK	00	6.78	6.02	≤ 21.00	Pass
	39	7.63	6.91		
	78	6.80	6.06		

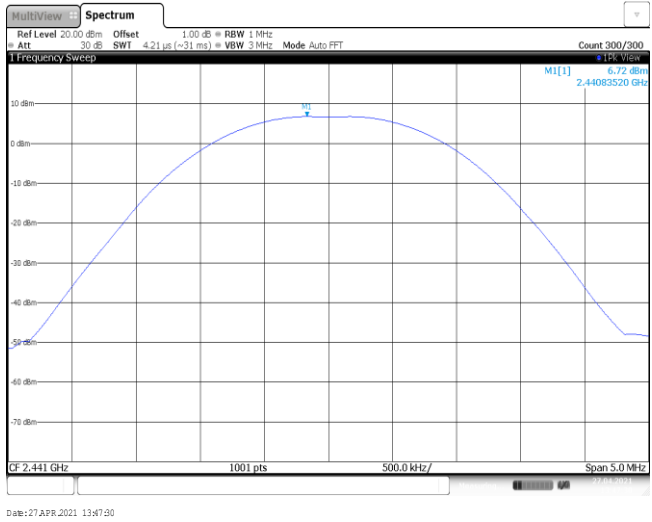
Modulation Type: GFSK

CH00



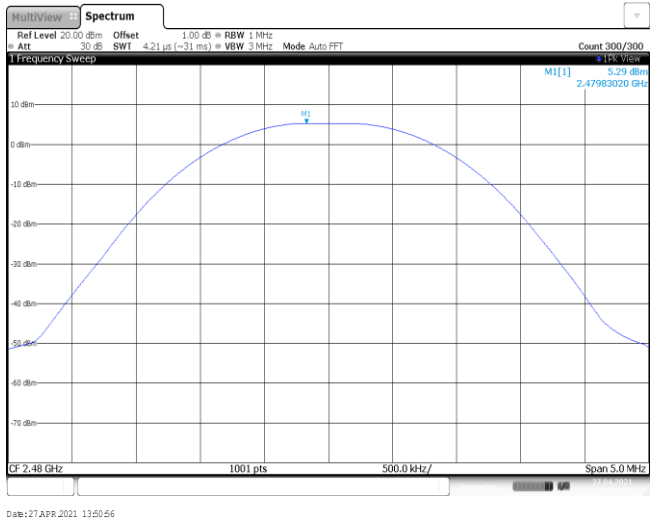
Date: 27 APR 2021 13:45:11

CH39



Date: 27 APR 2021 13:47:20

CH78

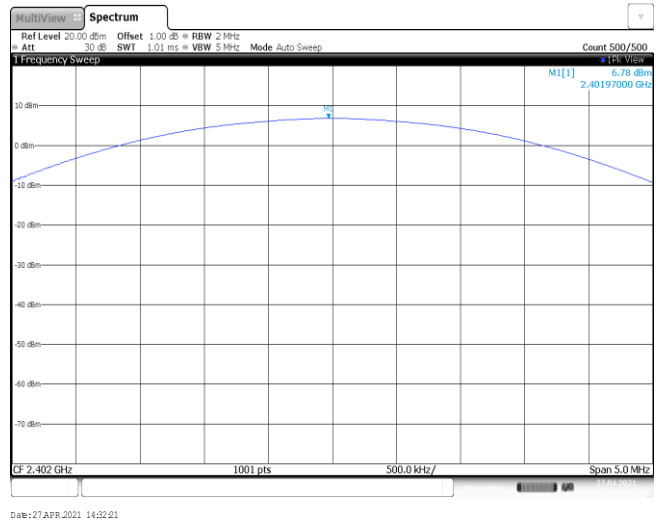


Date: 27 APR 2021 13:50:56

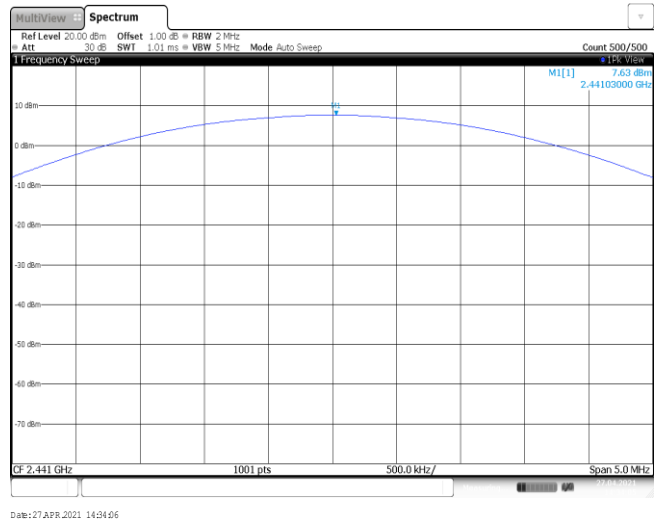
Modulation Type:		$\pi/4$ DQPSK
CH00	<p>Date: 27 APR 2021 14:16:04</p>	
CH39	<p>Date: 27 APR 2021 14:17:49</p>	
CH78	<p>Date: 27 APR 2021 14:21:18</p>	

Modulation Type: 8DPSK

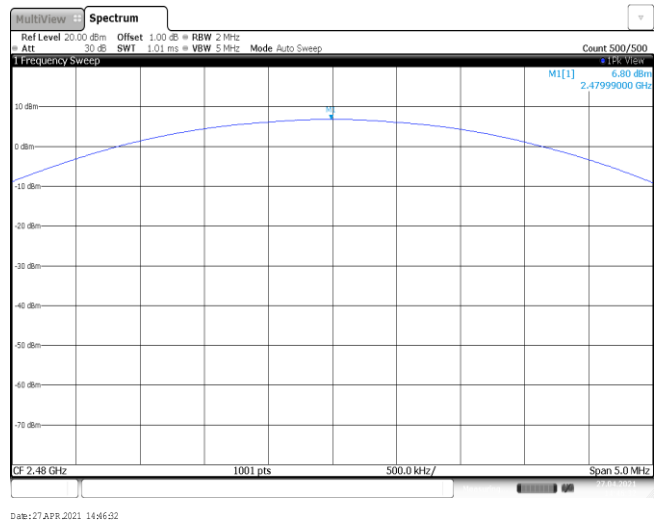
CH00



CH39



CH78

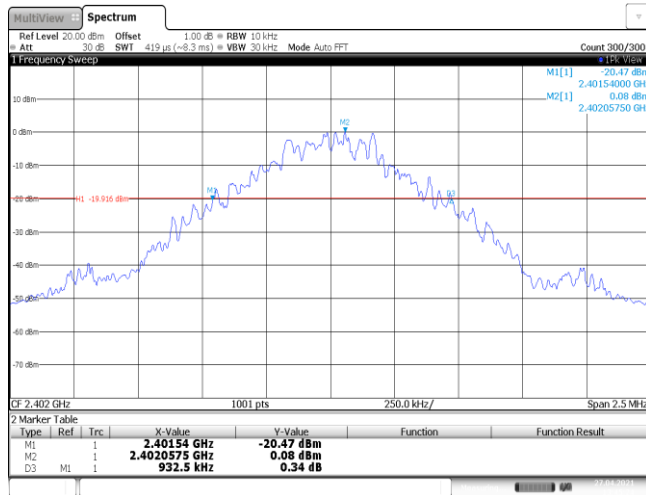


Appendix B : 20 dB Bandwidth

Modulation type	Channel	20 dB Bandwidth (kHz)	Limit (kHz)	Result
GFSK	00	932.50	-	Pass
	39	932.50		
	78	932.50		
$\pi/4$ DQPSK	00	1322.50	-	Pass
	39	1302.50		
	78	1290.00		
8DPSK	00	1297.50	-	Pass
	39	1295.00		
	78	1297.50		

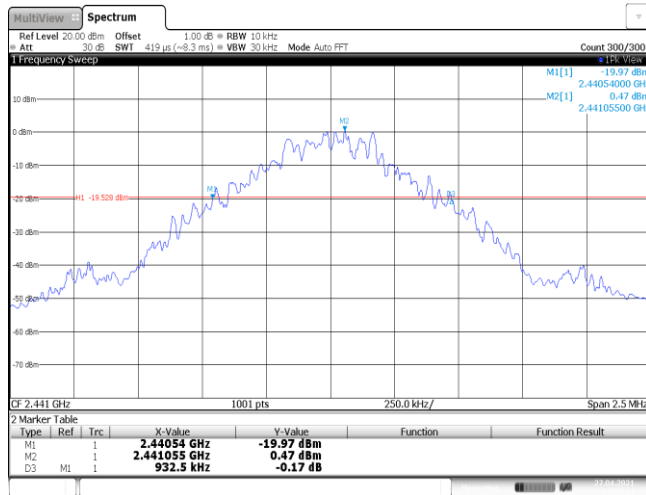
Modulation Type: GFSK

CH00



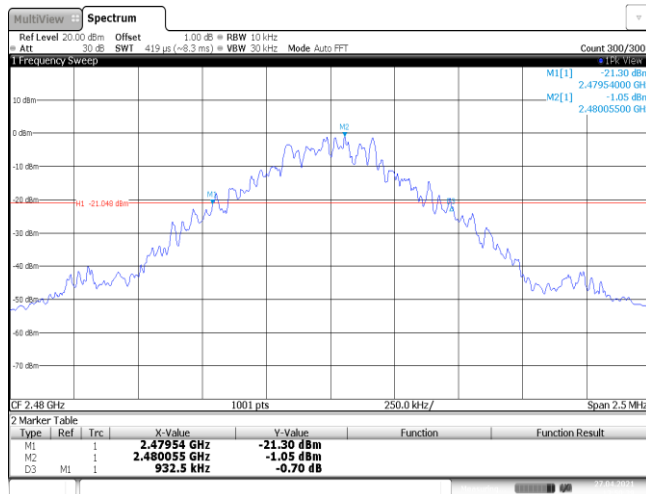
Date: 27 APR 2021 13:45:24

CH39



Date: 27 APR 2021 13:47:13

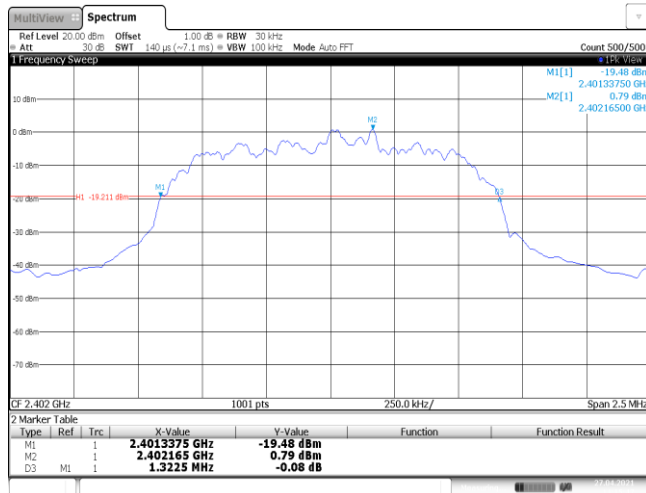
CH78



Date: 27 APR 2021 13:50:40

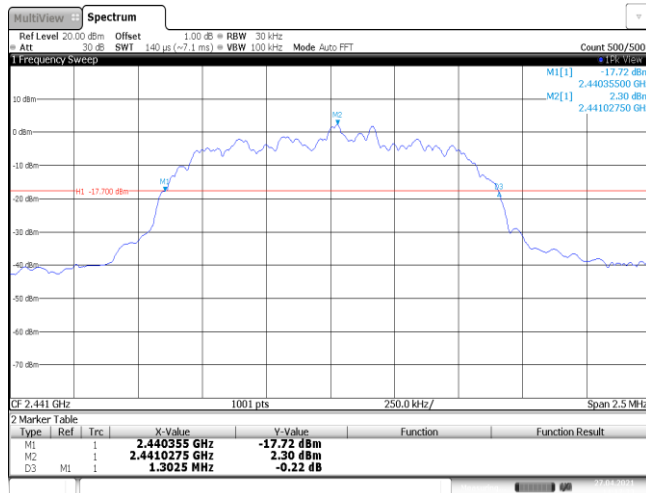
Modulation Type: $\pi/4$ DQPSK

CH00



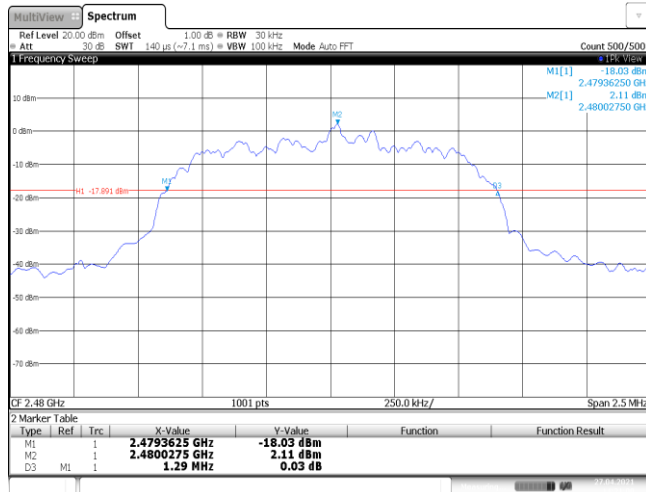
Date: 27 APR 2021 14:54:7

CH39



Date: 27 APR 2021 14:47:33

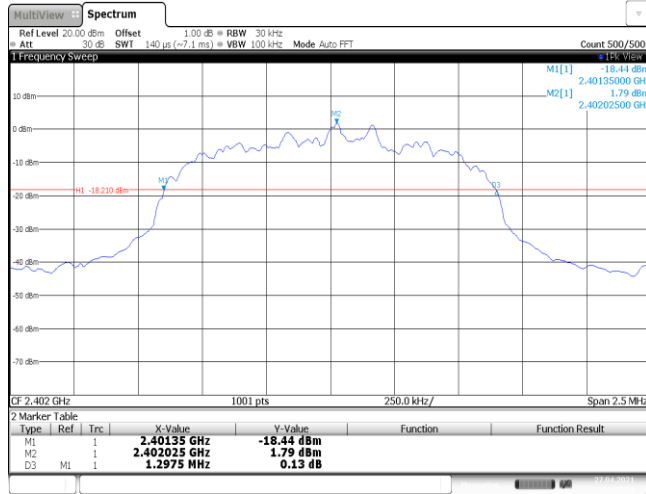
CH78



Date: 27 APR 2021 14:21:01

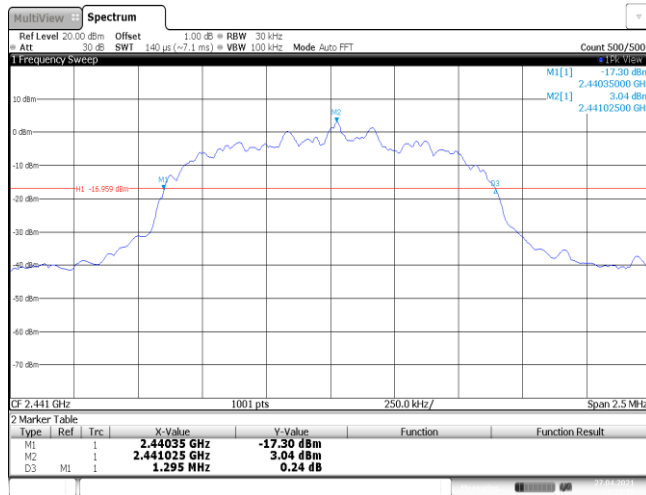
Modulation Type: 8DPSK

CH00



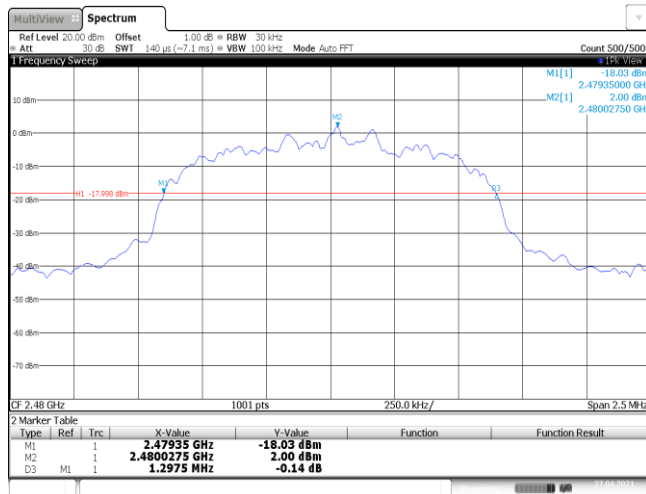
Date: 27 APR 2021 14:32:04

CH39



Date: 27 APR 2021 14:03:49

CH78



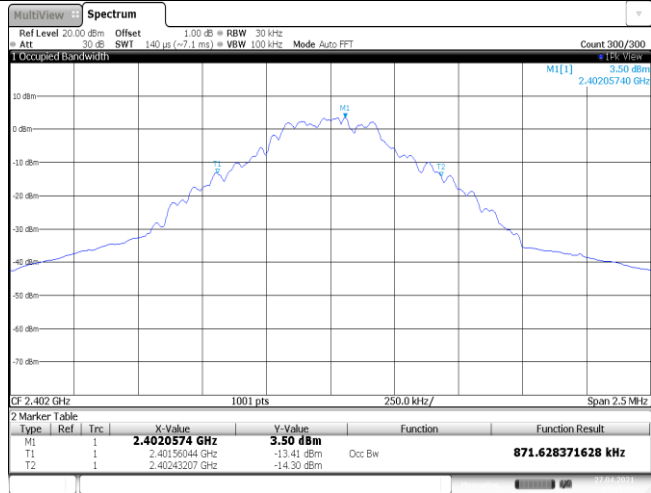
Date: 27 APR 2021 14:46:14

Appendix C: 99% Occupied Bandwidth

Modulation type	Channel	99% Occupied Bandwidth (MHz)	Limit (MHz)	Result
GFSK	00	0.87	-	Pass
	39	0.87		
	78	0.87		
$\pi/4$ DQPSK	00	1.19	-	Pass
	39	1.19		
	78	1.18		
8DPSK	00	1.18	-	Pass
	39	1.18		
	78	1.19		

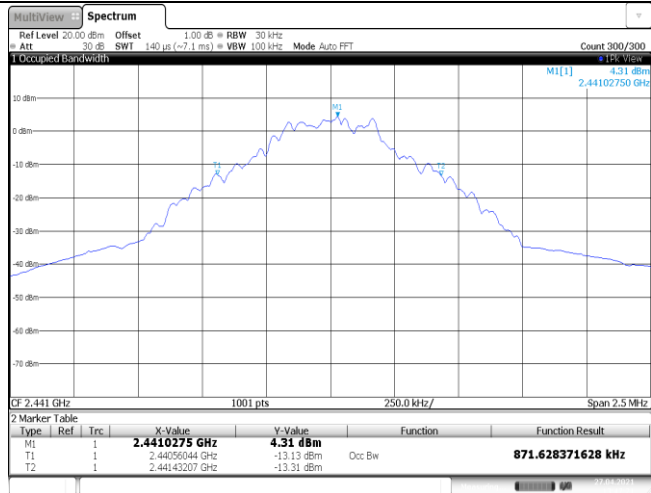
Modulation Type: GFSK

CH00



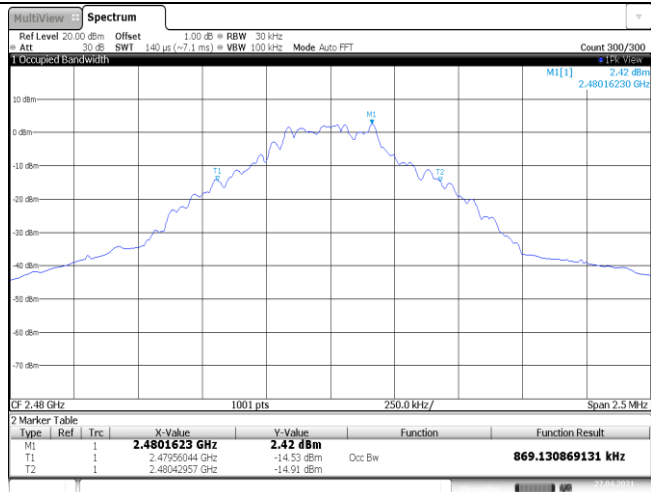
Date: 27 APR 2021 13:45:22

CH39



Date: 27 APR 2021 13:47:21

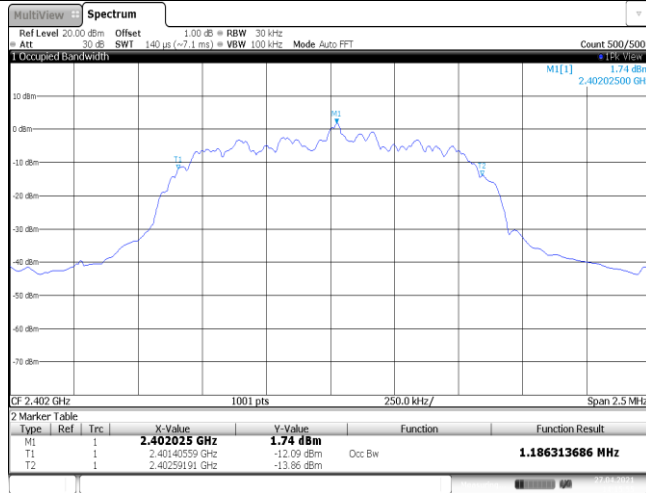
CH78



Date: 27 APR 2021 13:50:48

Modulation Type: **$\pi/4$ DQPSK**

CH00



Date: 27 APR 2021 14:35:55

CH39



Date: 27 APR 2021 14:37:41

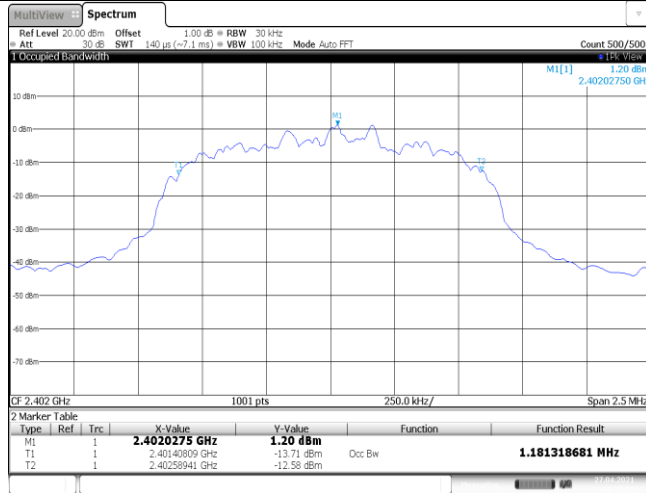
CH78



Date: 27 APR 2021 14:21:09

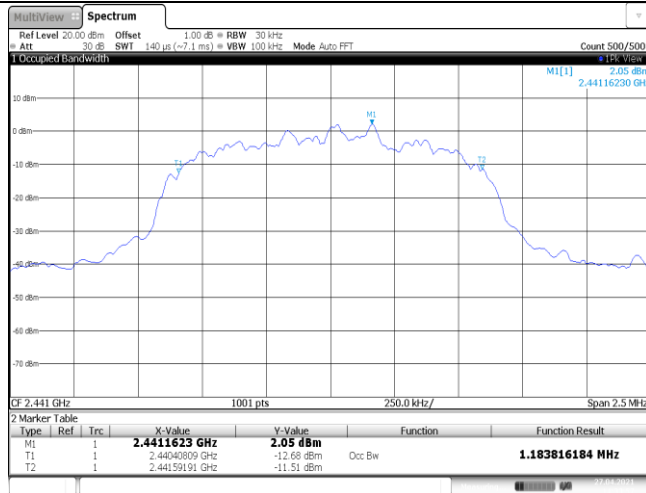
Modulation Type: 8DPSK

CH00



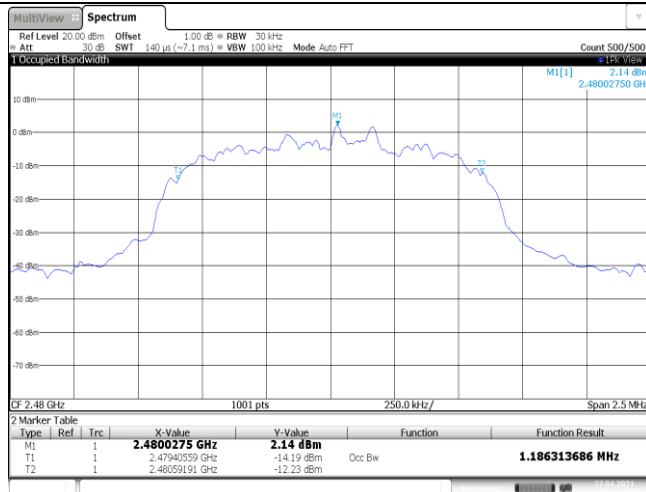
Date: 27 APR 2021 14:32:42

CH39



Date: 27 APR 2021 14:33:67

CH78



Date: 27 APR 2021 14:46:23

Appendix D: Carrier Frequencies Separation

Modulation type	Channel	Carrier Frequencies Separation (MHz)	Limit (kHz) *	Result
GFSK	39	1.00	≥932.50	Pass
π/4DQPSK	39	1.00	≥881.67	Pass
8DPSK	39	1.00	≥865.00	Pass

Note:

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

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

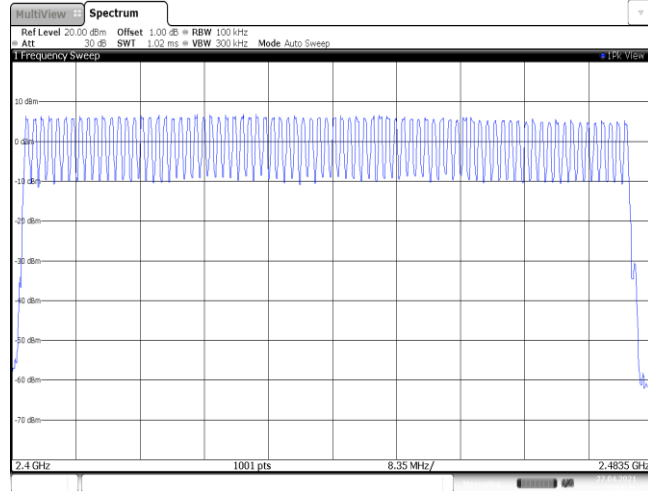
8DPSK limit = 2/3 * The maximum 20 dB Bandwidth for 8DPSK modulation on the appendix B

<p style="text-align: center;">GFSK</p>	
<p style="text-align: center;">$\pi/4$DQPSK</p>	
<p style="text-align: center;">8DPSK</p>	

Appendix E: Hopping Channel Number

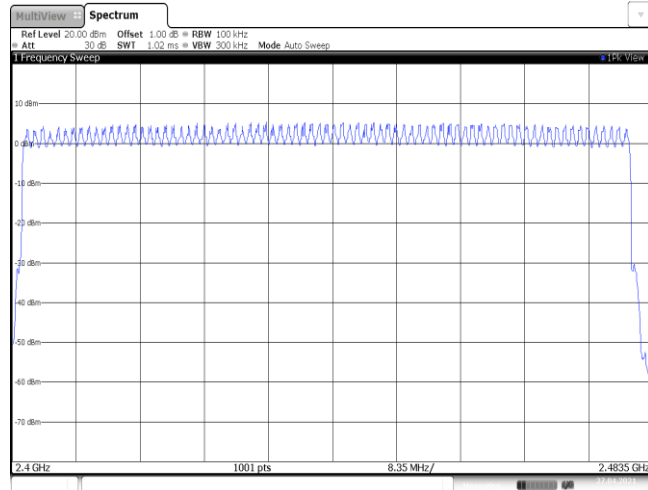
Modulation type	Channel number	Limit	Result
GFSK	79	≥15.00	Pass
π/4DQPSK	79		
8DPSK	79		

GFSK



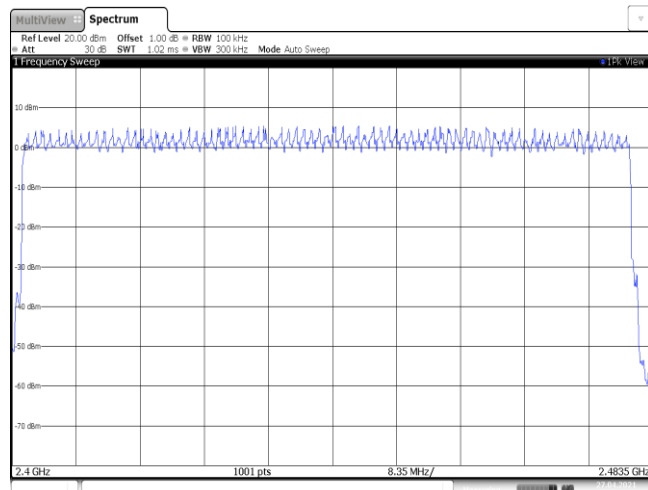
Date: 27 APR 2021 13:54:11

$\pi/4$ DQPSK



Date: 27 APR 2021 14:29:06

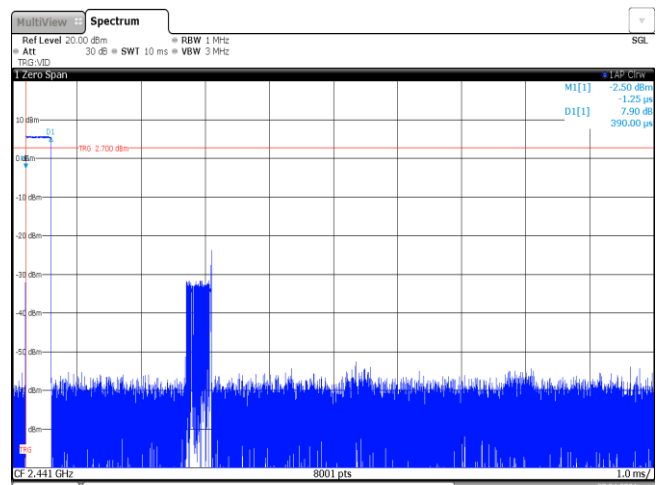
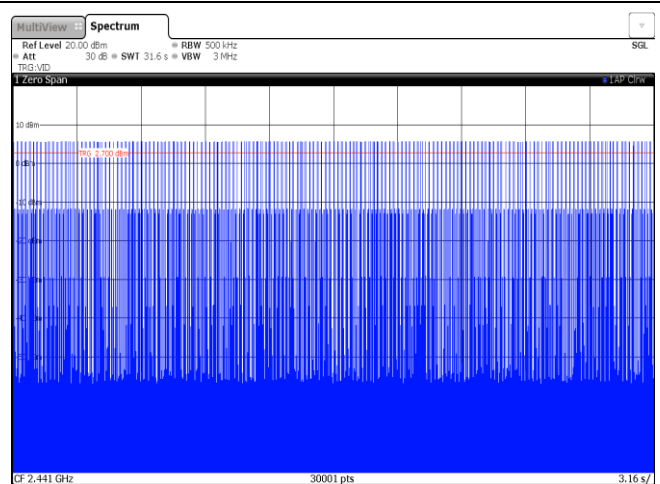
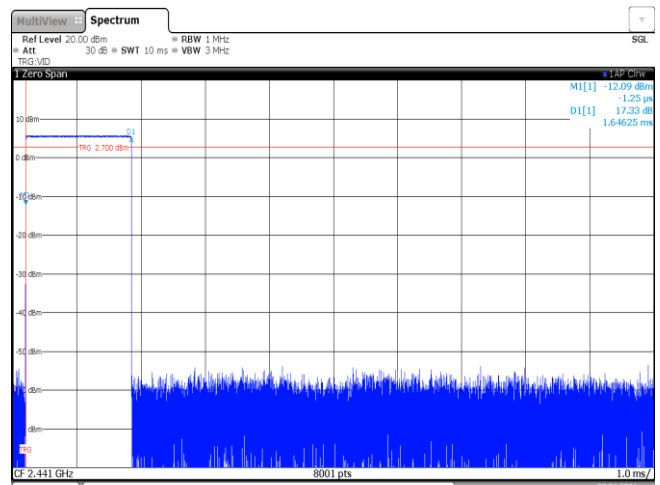
8DPSK



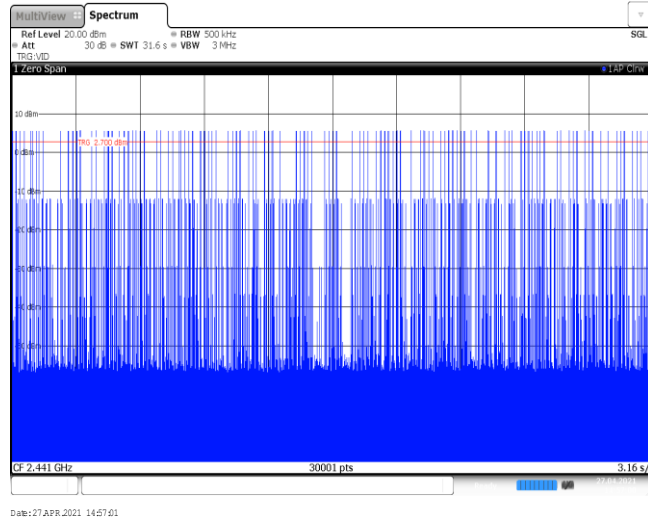
Date: 27 APR 2021 14:51:33

Appendix F: Dwell Time

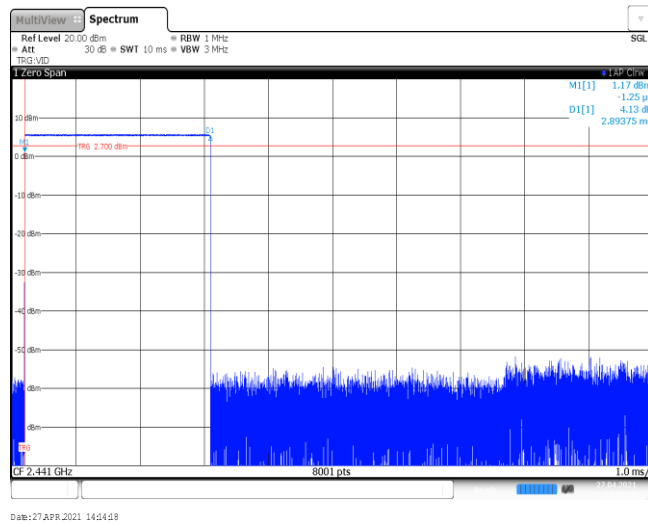
Modulation type	Packet	Burst Width [ms]	Total Hops[hop*ch]	Dwell time (Second)	Limit (Second)	Result
GFSK	DH1	0.39	320	0.13	≤ 0.40	Pass
	DH3	1.65	152	0.25		
	DH5	2.89	105	0.30		
π/4DQPSK	2DH1	0.38	320	0.12	≤ 0.40	Pass
	2DH3	1.64	174	0.28		
	2DH5	2.88	119	0.34		
8DPSK	3DH1	0.38	321	0.12	≤ 0.40	Pass
	3DH3	1.63	159	0.26		
	3DH5	2.88	107	0.31		

Modulation Type:	GFSK
<p>DH1 Burst width</p>	 <p>Ref Level 20.00 dBm Att 30 dB SWT 10 ms VBW 3 MHz RBW 1 MHz</p> <p>M[1] -12.50 dBm D1[1] 7.90 dB 390.00 ps</p> <p>CF 2.441 GHz 8001 pts 1.0 ms/</p> <p>Date: 27 APR 2021 14:54:45</p>
<p>DH1 Burst number</p>	 <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: 27 APR 2021 14:55:19</p>
<p>DH3 Burst width</p>	 <p>Ref Level 20.00 dBm Att 30 dB SWT 10 ms VBW 3 MHz RBW 1 MHz</p> <p>M1[1] -12.09 dBm D1[1] 17.33 dB 1.64625 ms</p> <p>CF 2.441 GHz 8001 pts 1.0 ms/</p> <p>Date: 27 APR 2021 14:56:27</p>

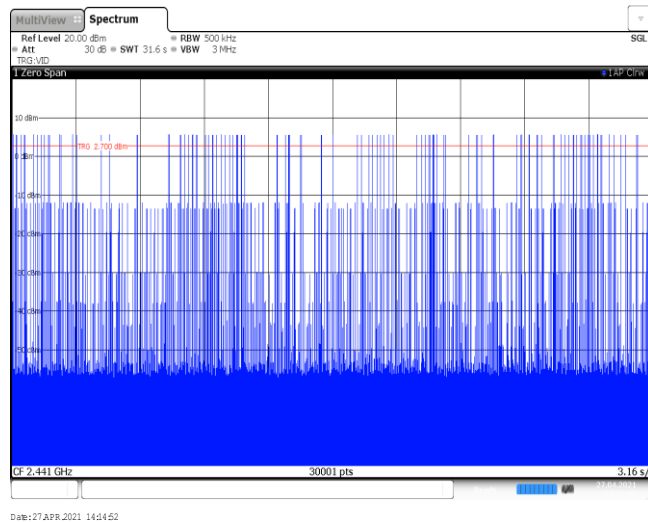
DH3
Burst number



DH5
Burst width

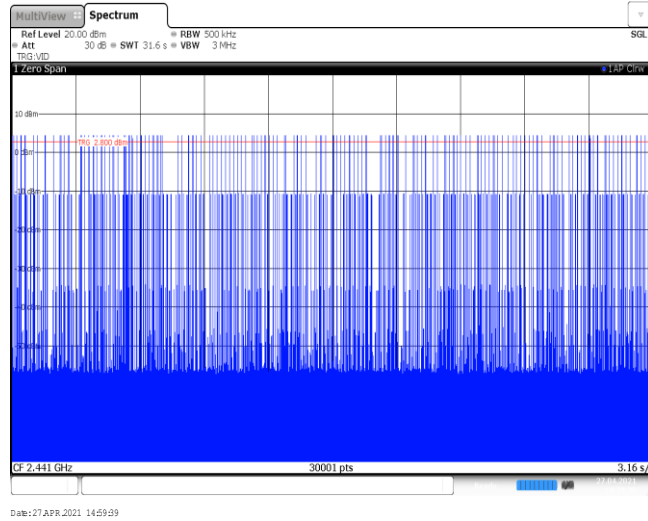


DH5
Burst number

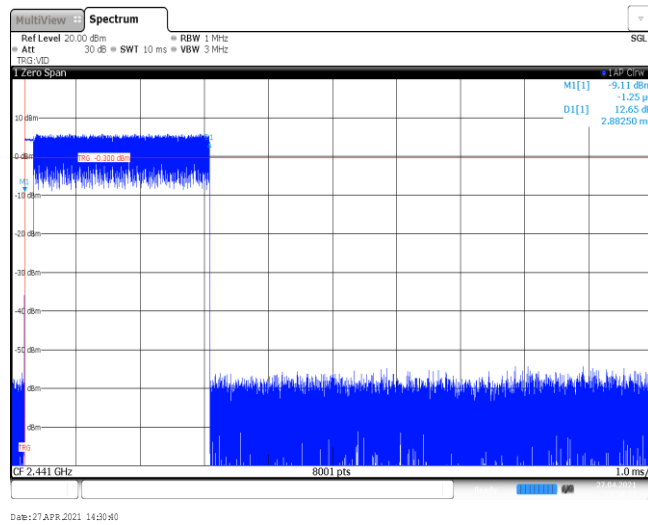


Modulation Type: $\pi/4$ DQPSK	
2DH1 Burst width	<p>Ref Level 20.00 dBm Att 30 dB RBW 1 MHz SWT 10 ms VBW 3 MHz</p> <p>M1[1] -14.00 dBm D1[1] 17.49 dB 383.75 ps</p> <p>CF 2.441 GHz 8001 pts 1.0 ms/</p> <p>Date: 27 APR 2021 14:57:42</p>
2DH1 Burst number	<p>Ref Level 20.00 dBm Att 30 dB RBW 500 kHz SWT 31.6 s VBW 3 MHz</p> <p>CF 2.441 GHz 30001 pts 3.16 s/</p> <p>Date: 27 APR 2021 14:58:16</p>
2DH3 Burst width	<p>Ref Level 20.00 dBm Att 30 dB RBW 1 MHz SWT 10 ms VBW 3 MHz</p> <p>M1[1] -12.37 dBm D1[1] 15.88 dB 1.63500 ms</p> <p>CF 2.441 GHz 8001 pts 1.0 ms/</p> <p>Date: 27 APR 2021 14:59:06</p>

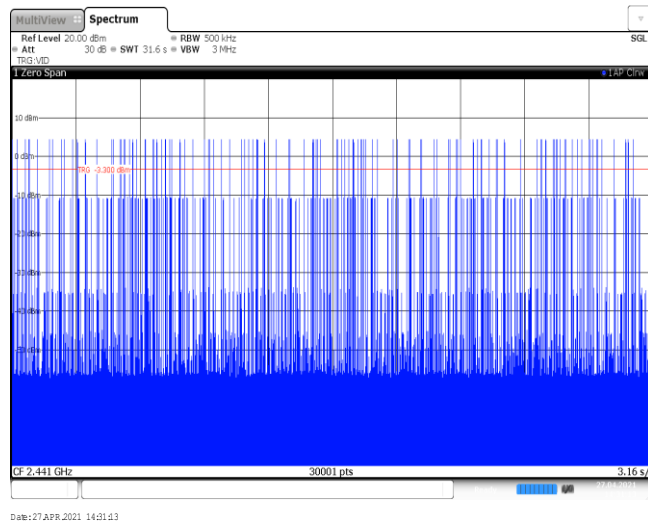
2DH3
Burst number



2DH5
Burst width

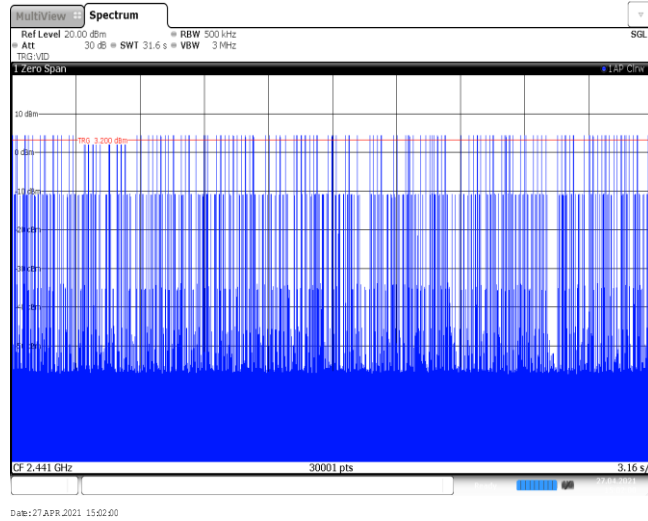


2DH5
Burst number

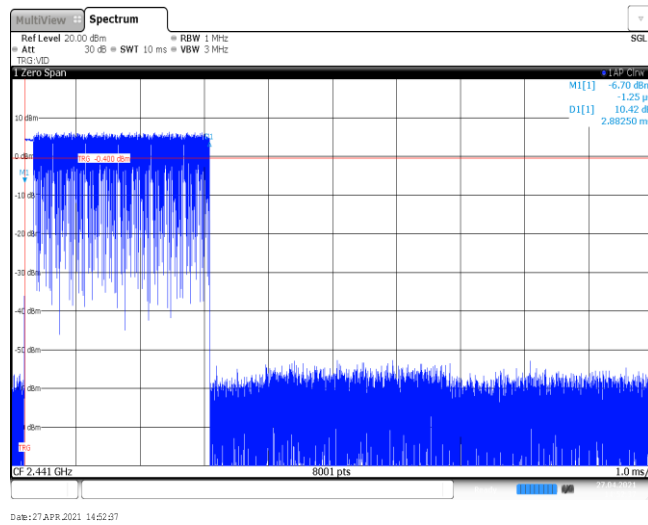


Modulation Type: 8DPSK	
3DH1 Burst width	<p>Ref Level 20.00 dBm Att 30 dB RBW 1 MHz SWT 10 ms VBW 3 MHz</p> <p>M[1] -7.25 dBm -1.25 μs D1[1] 10.92 dB 381.25 μs</p> <p>CF 2.441 GHz 8001 pts 1.0 ms/</p> <p>Date: 27 APR 2021 15:00:26</p>
3DH1 Burst number	<p>Ref Level 20.00 dBm Att 30 dB RBW 500 kHz SWT 31.6 s VBW 3 MHz</p> <p>CF 2.441 GHz 30001 pts 3.16 s/</p> <p>Date: 27 APR 2021 15:01:00</p>
3DH3 Burst width	<p>Ref Level 20.00 dBm Att 30 dB RBW 1 MHz SWT 10 ms VBW 3 MHz</p> <p>M[1] -7.90 dBm -1.25 μs D1[1] 11.56 dB 1.63125 ms</p> <p>CF 2.441 GHz 8001 pts 1.0 ms/</p> <p>Date: 27 APR 2021 15:01:27</p>

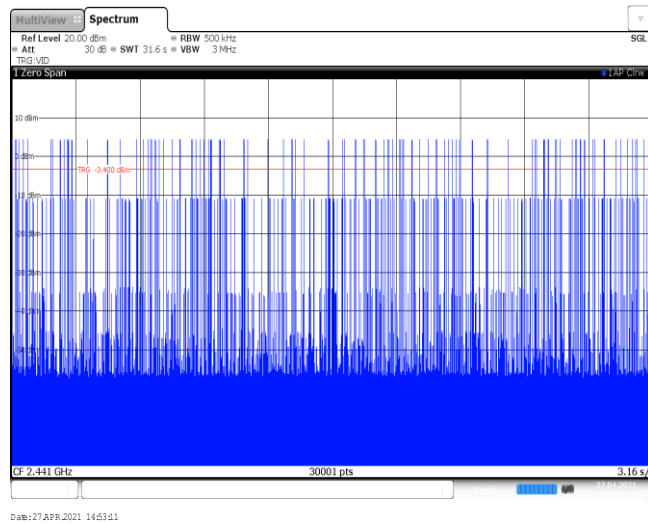
3DH3
Burst number



3DH5
Burst width



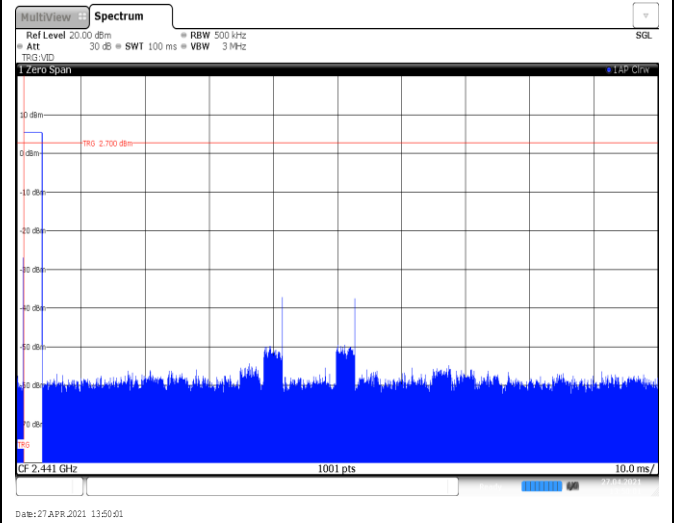
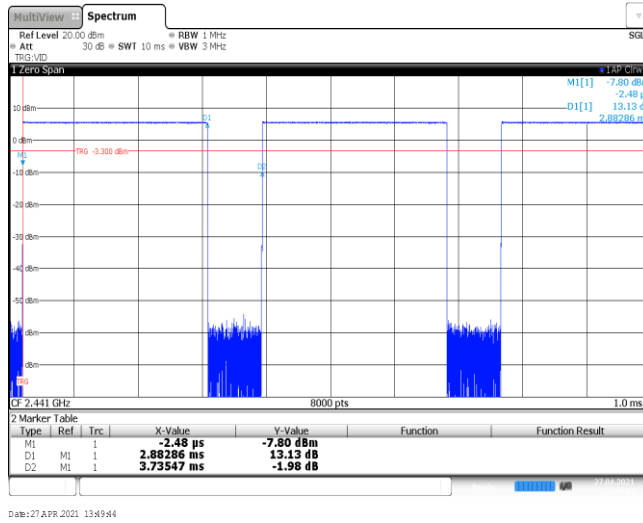
3DH5
Burst number



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	2.88	100	1	-30.81
$\pi/4$ DQPSK	2441	2.87	100	1	-30.84
8DPSK	2441	2.87	100	2	-24.82

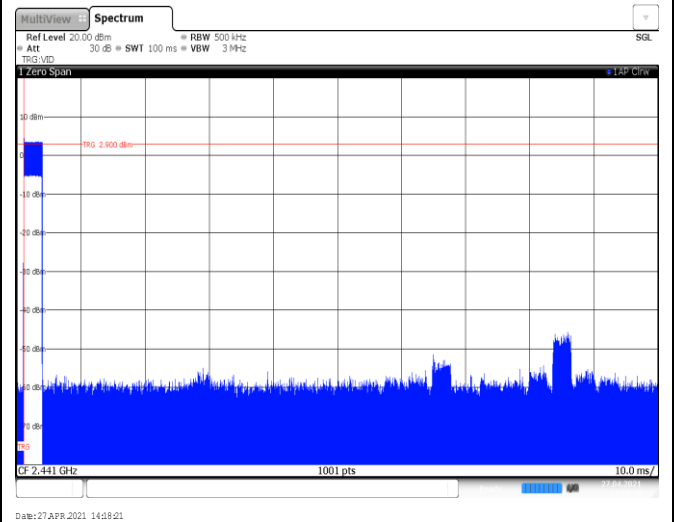
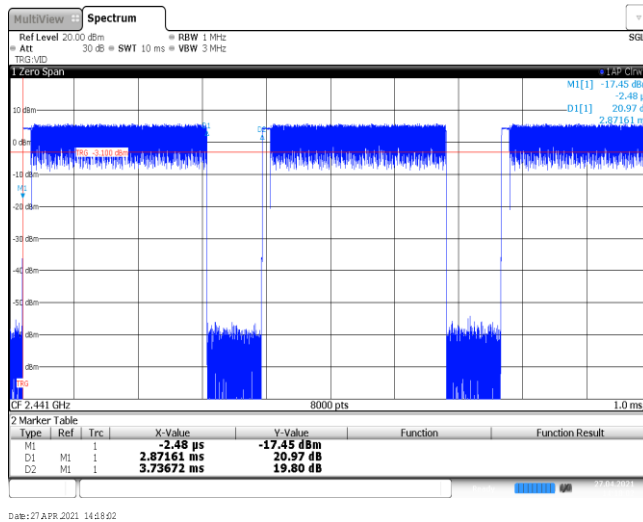
GFSK



Ton time for single burst

Burst Quantity

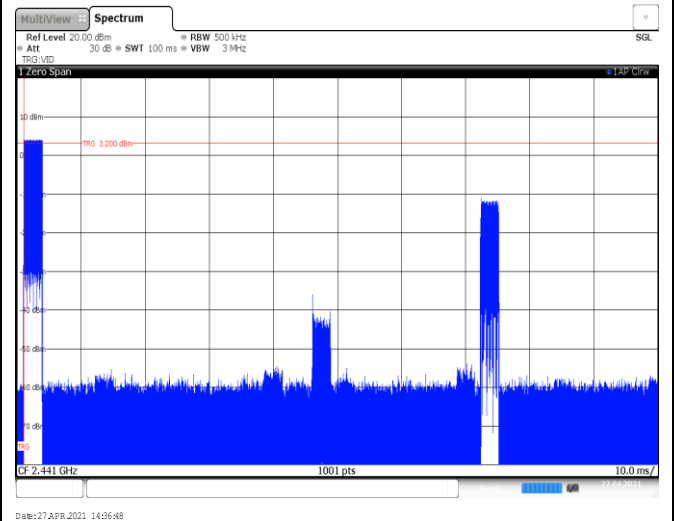
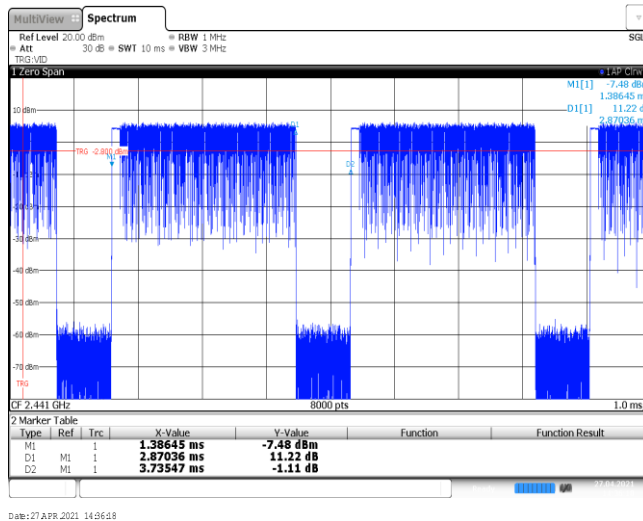
$\pi/4$ DQPSK



Ton time for single burst

Burst Quantity

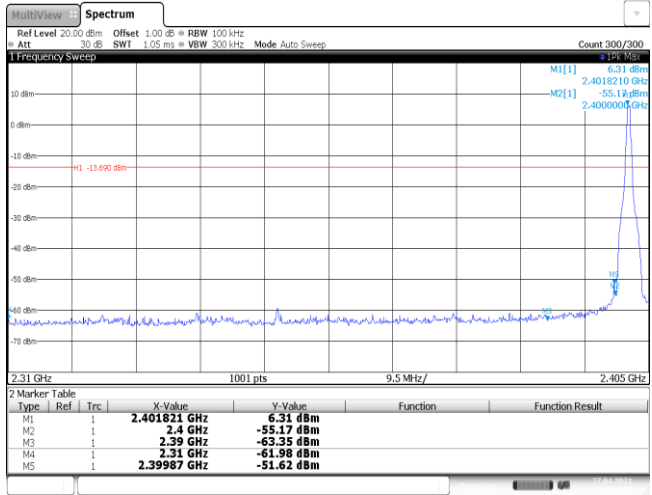
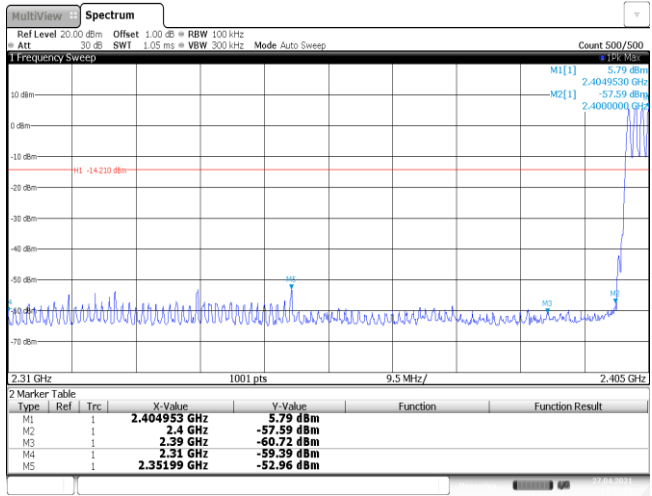
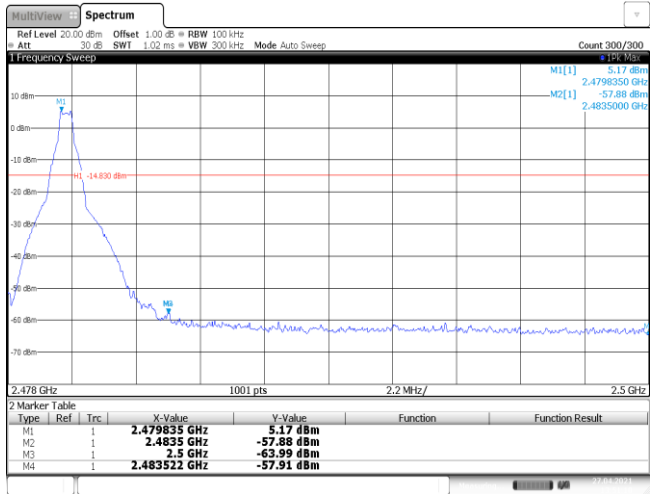
8DPSK



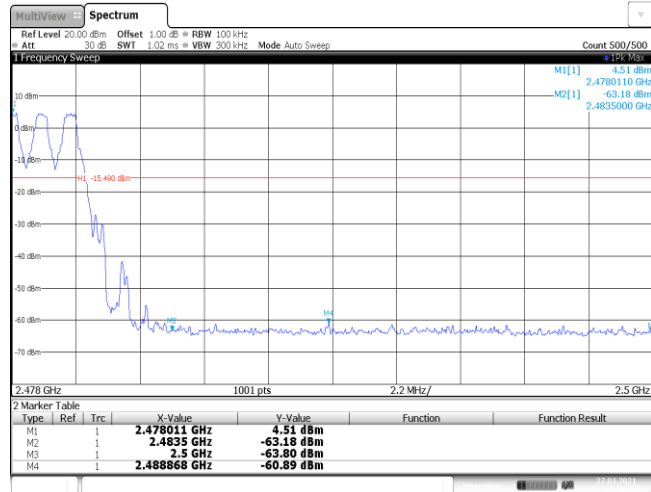
Ton time for single burst

Burst Quantity

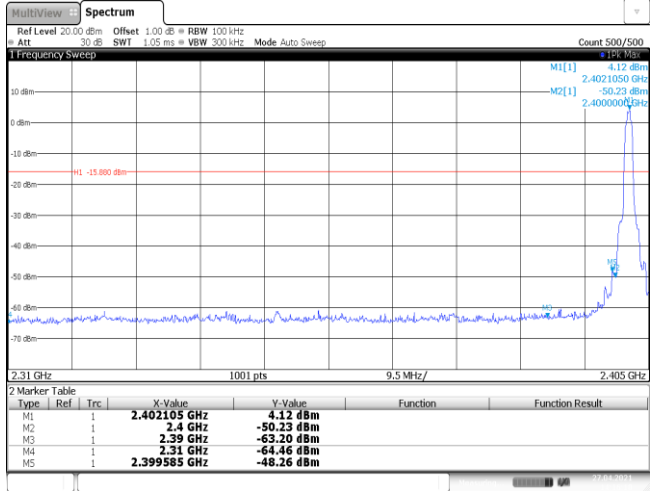
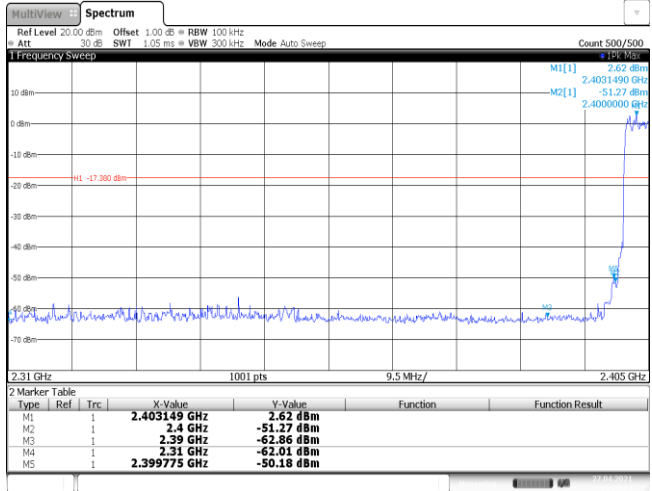
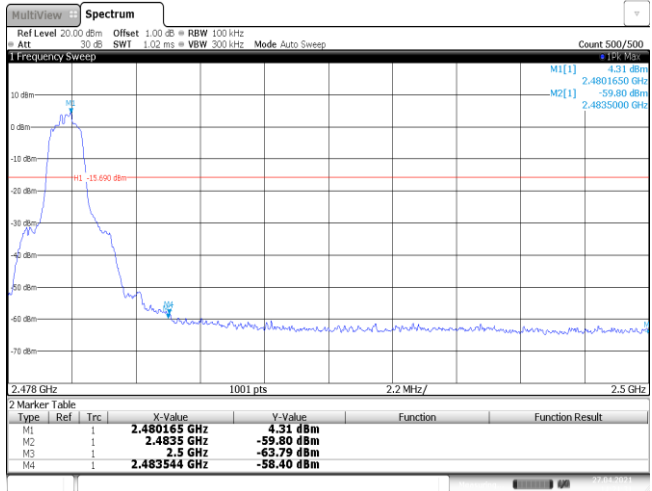
Appendix H: Band edge and Spurious Emissions (conducted)

Test Item:	Band edge	Modulation type:	GFSK																																										
<p>CH00 No hopping mode</p>	 <table border="1" data-bbox="683 741 1337 831"> <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>6.31 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-55.17 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-63.35 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-61.98 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.39987 GHz</td> <td>-51.62 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 27 APR 2021 13:45:55</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.401821 GHz	6.31 dBm			M2	1		2.4 GHz	-55.17 dBm			M3	1		2.39 GHz	-63.35 dBm			M4	1		2.31 GHz	-61.98 dBm			M5	1		2.39987 GHz	-51.62 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.401821 GHz	6.31 dBm																																									
M2	1		2.4 GHz	-55.17 dBm																																									
M3	1		2.39 GHz	-63.35 dBm																																									
M4	1		2.31 GHz	-61.98 dBm																																									
M5	1		2.39987 GHz	-51.62 dBm																																									
<p>CH00 Hopping mode</p>	 <table border="1" data-bbox="683 1288 1337 1377"> <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>2.404953 GHz</td> <td>5.79 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-57.59 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-60.72 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-59.39 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.35199 GHz</td> <td>-52.96 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 27 APR 2021 13:54:54</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.404953 GHz	5.79 dBm			M2	1		2.4 GHz	-57.59 dBm			M3	1		2.39 GHz	-60.72 dBm			M4	1		2.31 GHz	-59.39 dBm			M5	1		2.35199 GHz	-52.96 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.404953 GHz	5.79 dBm																																									
M2	1		2.4 GHz	-57.59 dBm																																									
M3	1		2.39 GHz	-60.72 dBm																																									
M4	1		2.31 GHz	-59.39 dBm																																									
M5	1		2.35199 GHz	-52.96 dBm																																									
<p>CH78 No hopping mode</p>	 <table border="1" data-bbox="683 1848 1337 1937"> <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>5.17 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.48335 GHz</td> <td>-57.88 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-63.99 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.483522 GHz</td> <td>-57.91 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 27 APR 2021 13:51:10</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.479835 GHz	5.17 dBm			M2	1		2.48335 GHz	-57.88 dBm			M3	1		2.5 GHz	-63.99 dBm			M4	1		2.483522 GHz	-57.91 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.479835 GHz	5.17 dBm																																									
M2	1		2.48335 GHz	-57.88 dBm																																									
M3	1		2.5 GHz	-63.99 dBm																																									
M4	1		2.483522 GHz	-57.91 dBm																																									

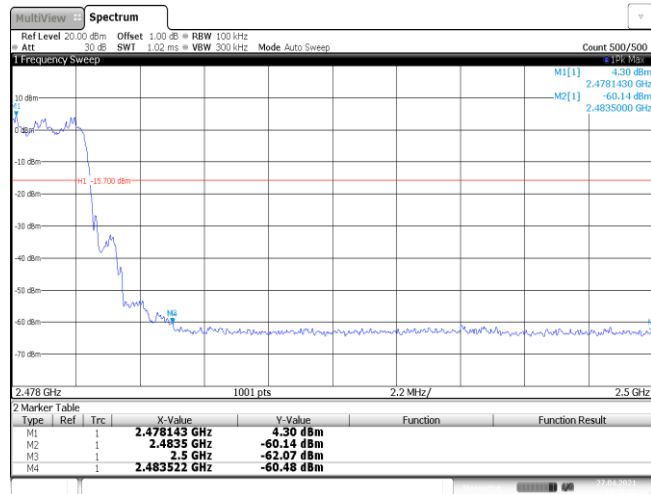
CH78
Hopping mode



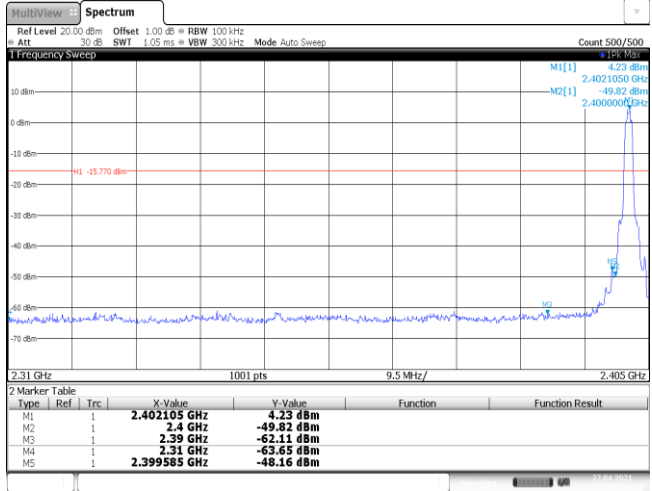
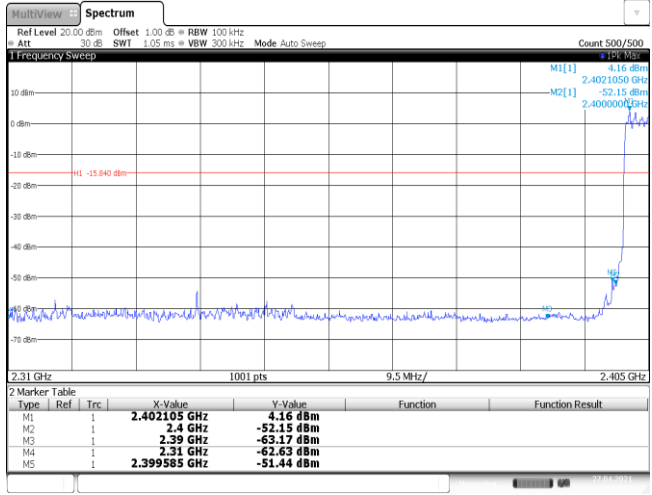
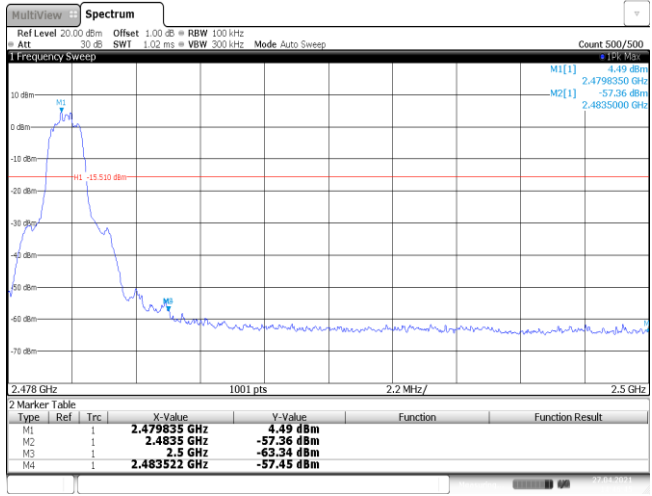
Date: 27 APR 2021 13:55:08

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>2.402105 GHz</td> <td>4.12 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-50.23 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-63.20 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-64.46 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399585 GHz</td> <td>-48.26 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 27 APR 2021 14:16:18</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.402105 GHz	4.12 dBm			M2	1		2.4 GHz	-50.23 dBm			M3	1		2.39 GHz	-63.20 dBm			M4	1		2.31 GHz	-64.46 dBm			M5	1		2.399585 GHz	-48.26 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.402105 GHz	4.12 dBm																																									
M2	1		2.4 GHz	-50.23 dBm																																									
M3	1		2.39 GHz	-63.20 dBm																																									
M4	1		2.31 GHz	-64.46 dBm																																									
M5	1		2.399585 GHz	-48.26 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>2.403149 GHz</td> <td>2.62 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-51.27 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-62.86 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-62.01 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399775 GHz</td> <td>-50.18 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 27 APR 2021 14:29:25</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.403149 GHz	2.62 dBm			M2	1		2.4 GHz	-51.27 dBm			M3	1		2.39 GHz	-62.86 dBm			M4	1		2.31 GHz	-62.01 dBm			M5	1		2.399775 GHz	-50.18 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.403149 GHz	2.62 dBm																																									
M2	1		2.4 GHz	-51.27 dBm																																									
M3	1		2.39 GHz	-62.86 dBm																																									
M4	1		2.31 GHz	-62.01 dBm																																									
M5	1		2.399775 GHz	-50.18 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>2.480165 GHz</td> <td>4.31 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-59.80 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-63.79 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.483544 GHz</td> <td>-58.40 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 27 APR 2021 14:21:31</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.480165 GHz	4.31 dBm			M2	1		2.4835 GHz	-59.80 dBm			M3	1		2.5 GHz	-63.79 dBm			M4	1		2.483544 GHz	-58.40 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.480165 GHz	4.31 dBm																																									
M2	1		2.4835 GHz	-59.80 dBm																																									
M3	1		2.5 GHz	-63.79 dBm																																									
M4	1		2.483544 GHz	-58.40 dBm																																									

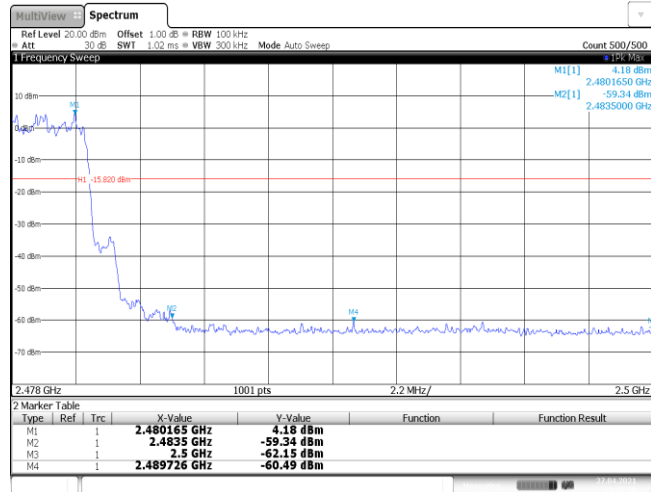
CH78
Hopping mode



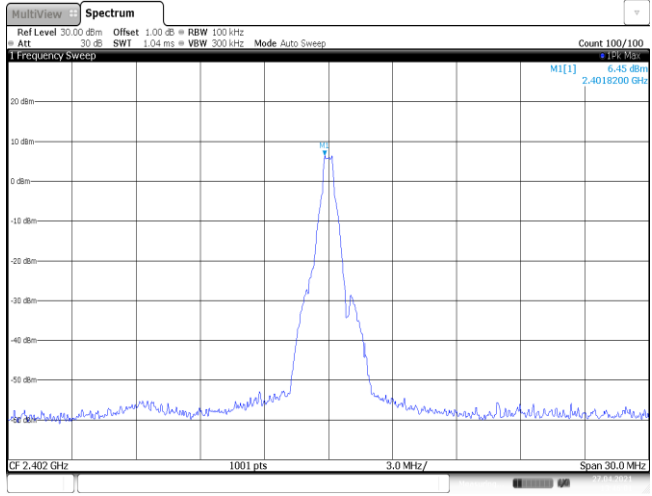
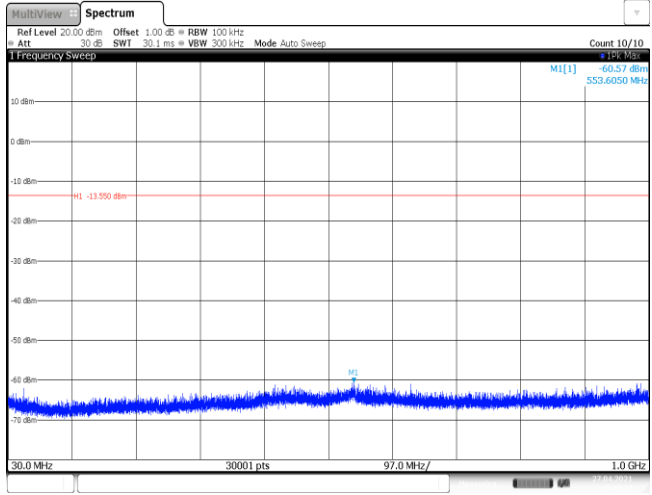
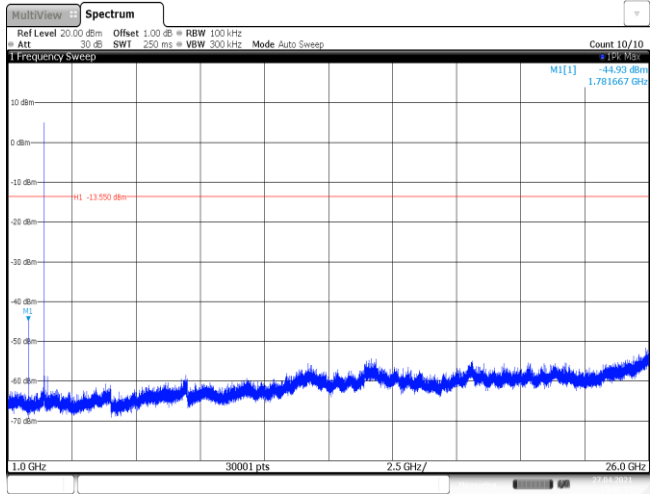
Date: 27 APR 2021 14:00:08

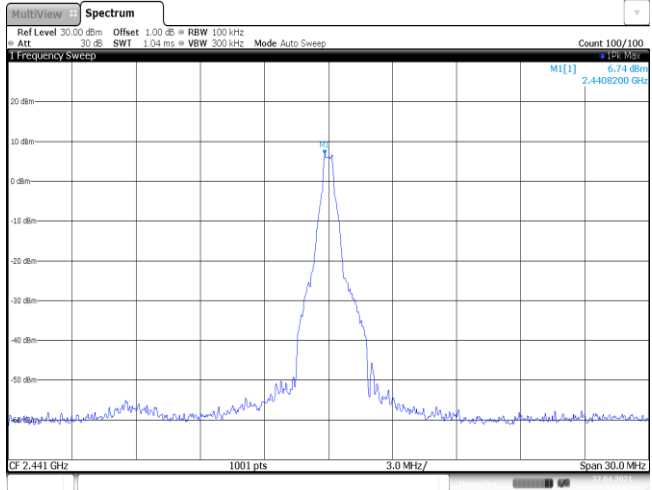
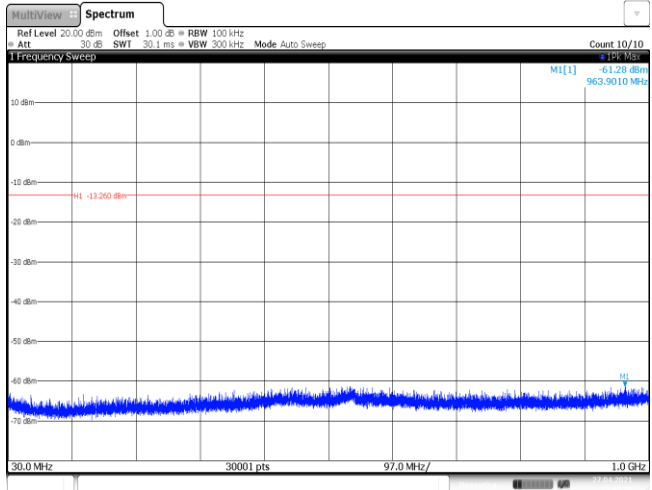
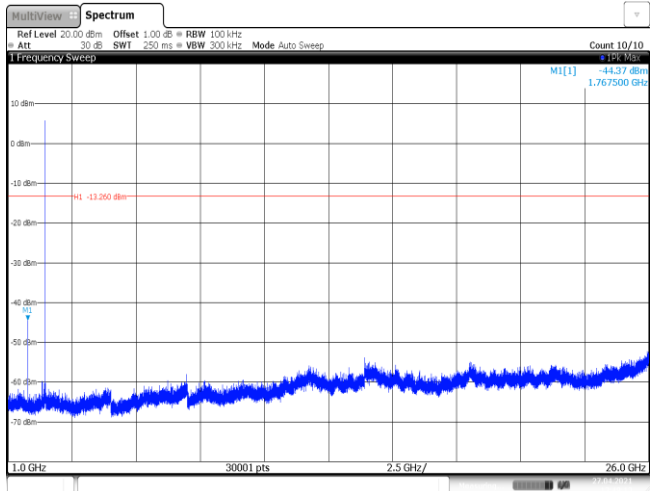
Test Item:	Band edge	Modulation type:	8DPSK																																										
<p>CH00 No hopping mode</p>	 <p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.402105 GHz</td> <td>4.23 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-49.82 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-62.11 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-63.65 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399585 GHz</td> <td>-48.16 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 27 APR 2021 14:32:34</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.402105 GHz	4.23 dBm			M2	1		2.4 GHz	-49.82 dBm			M3	1		2.39 GHz	-62.11 dBm			M4	1		2.31 GHz	-63.65 dBm			M5	1		2.399585 GHz	-48.16 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.402105 GHz	4.23 dBm																																									
M2	1		2.4 GHz	-49.82 dBm																																									
M3	1		2.39 GHz	-62.11 dBm																																									
M4	1		2.31 GHz	-63.65 dBm																																									
M5	1		2.399585 GHz	-48.16 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>2.402105 GHz</td> <td>4.16 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-52.15 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-63.17 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-62.63 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399585 GHz</td> <td>-51.44 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 27 APR 2021 14:52:07</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.402105 GHz	4.16 dBm			M2	1		2.4 GHz	-52.15 dBm			M3	1		2.39 GHz	-63.17 dBm			M4	1		2.31 GHz	-62.63 dBm			M5	1		2.399585 GHz	-51.44 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.402105 GHz	4.16 dBm																																									
M2	1		2.4 GHz	-52.15 dBm																																									
M3	1		2.39 GHz	-63.17 dBm																																									
M4	1		2.31 GHz	-62.63 dBm																																									
M5	1		2.399585 GHz	-51.44 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>4.49 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-57.36 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-63.34 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.483522 GHz</td> <td>-57.45 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 27 APR 2021 14:46:45</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.479835 GHz	4.49 dBm			M2	1		2.4835 GHz	-57.36 dBm			M3	1		2.5 GHz	-63.34 dBm			M4	1		2.483522 GHz	-57.45 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.479835 GHz	4.49 dBm																																									
M2	1		2.4835 GHz	-57.36 dBm																																									
M3	1		2.5 GHz	-63.34 dBm																																									
M4	1		2.483522 GHz	-57.45 dBm																																									

CH78
Hoppig mode

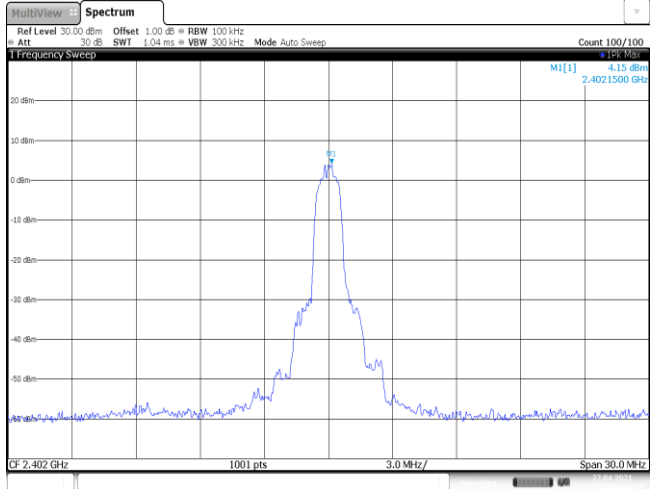
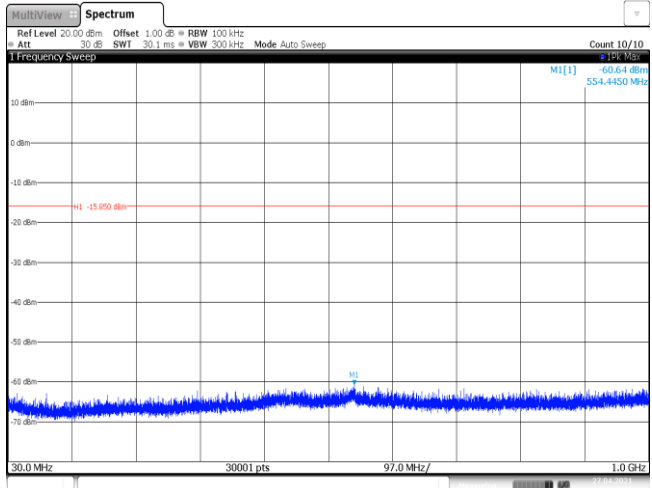
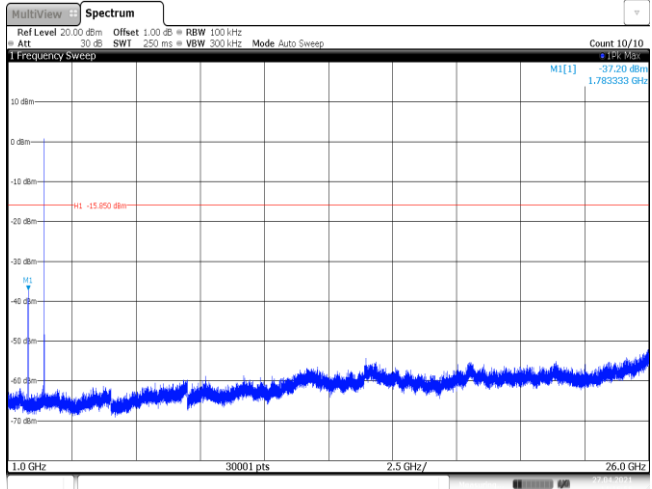


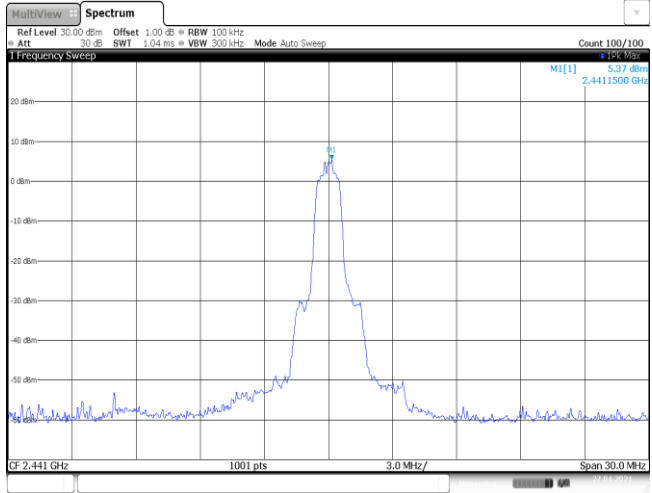
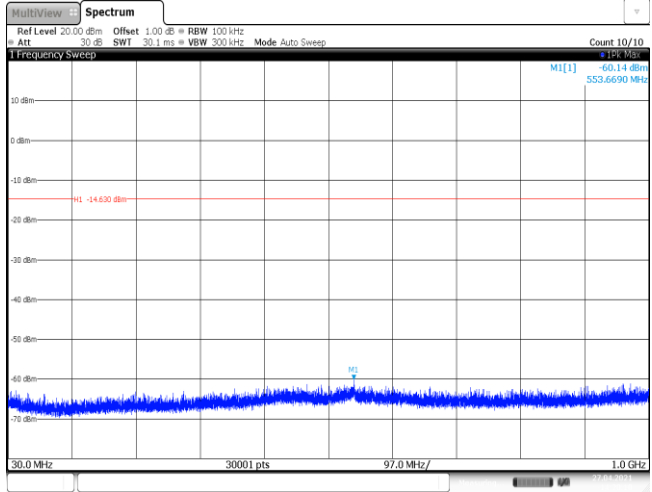
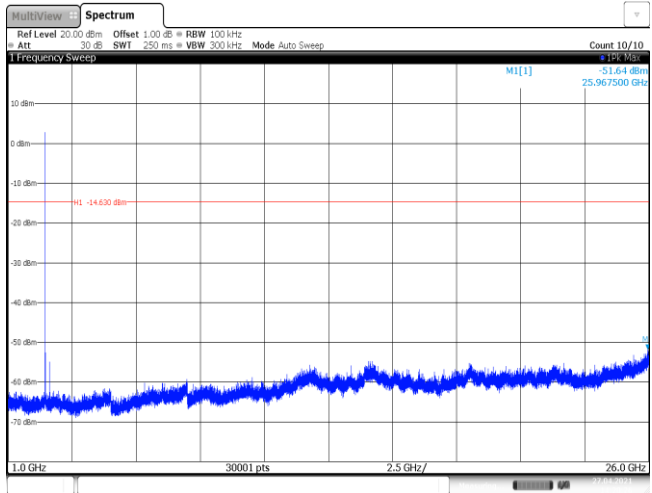
Date: 27 APR 2021 14:52:29

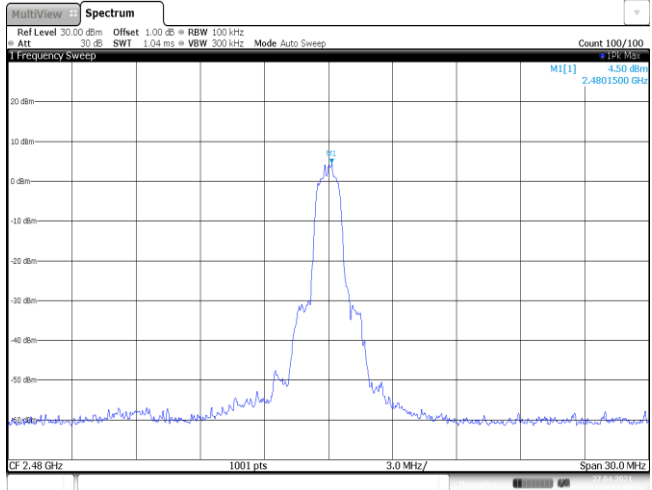
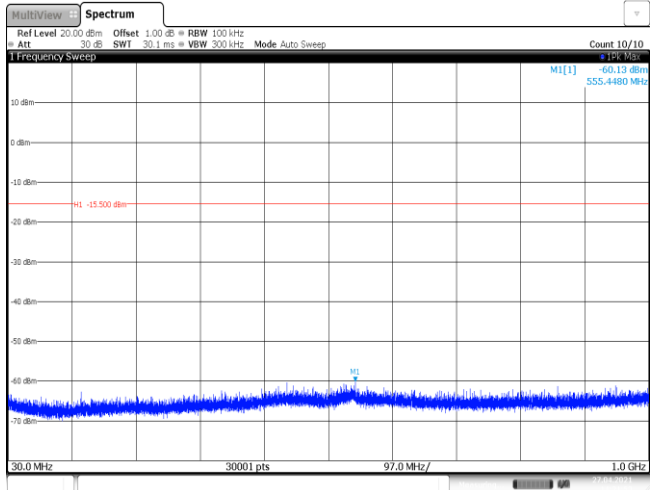
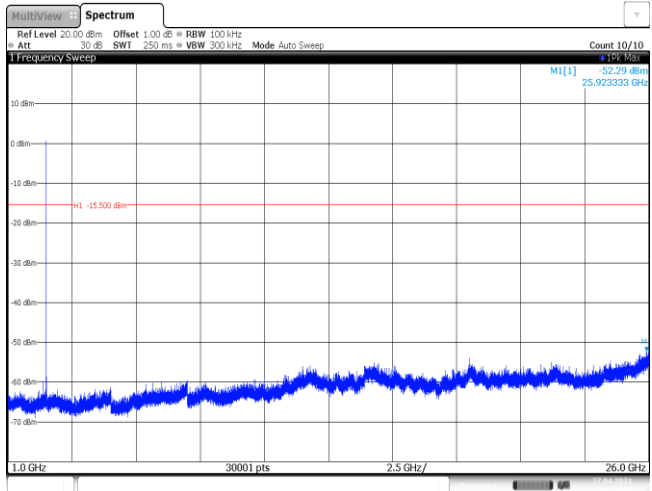
Test Item:	Spurious Emission	Modulation type:	GFSK
<p>CH00 Reference level</p>	 <p>MultiView Spectrum Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 Frequency Sweep MI[1] 6.45 dBm 2.4018200 GHz CF 2.402 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 27 APR 2021 13:46:01</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 MI[1] -60.57 dBm 553.6050 MHz MI -13.50 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 27 APR 2021 13:46:17</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 MI[1] -44.93 dBm 1.781667 GHz MI -13.50 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 27 APR 2021 13:46:33</p>		

<p>CH39 Reference level</p>	 <p>Date: 27 APR 2021 13:48:42</p>
<p>CH39 30MHz~1000MHz</p>	 <p>Date: 27 APR 2021 13:48:58</p>
<p>CH39 1GHz~26GHz</p>	 <p>Date: 27 APR 2021 13:49:14</p>

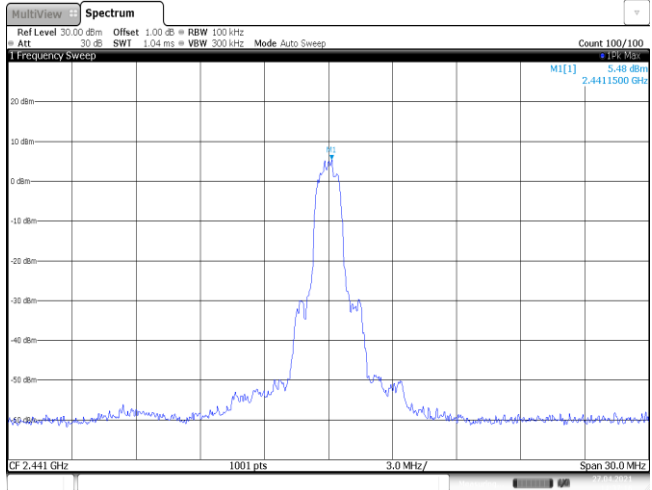
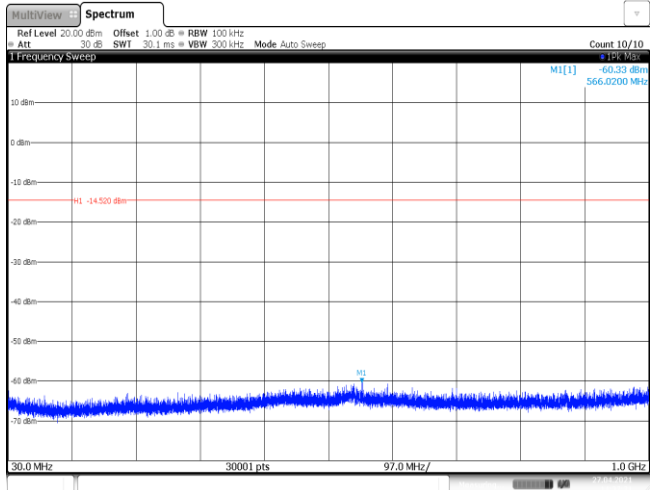
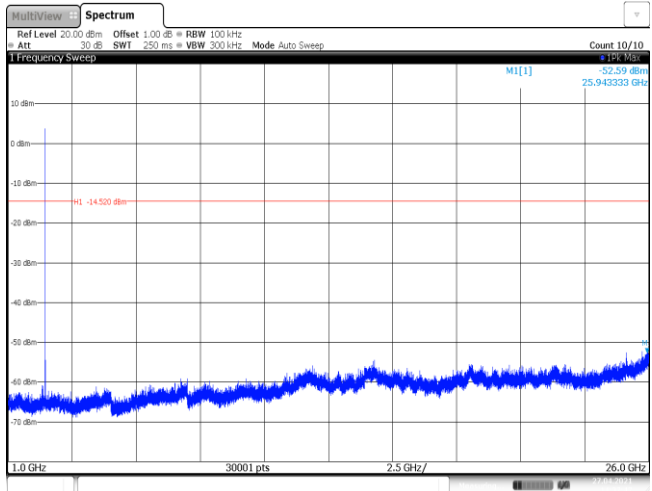
<p>CH78 Reference level</p>	<p>Date: 27 APR, 2021 13:51:46</p>
<p>CH78 30MHz~1000MHz</p>	<p>Date: 27 APR, 2021 13:51:52</p>
<p>CH78 1GHz~26GHz</p>	<p>Date: 27 APR, 2021 13:51:48</p>

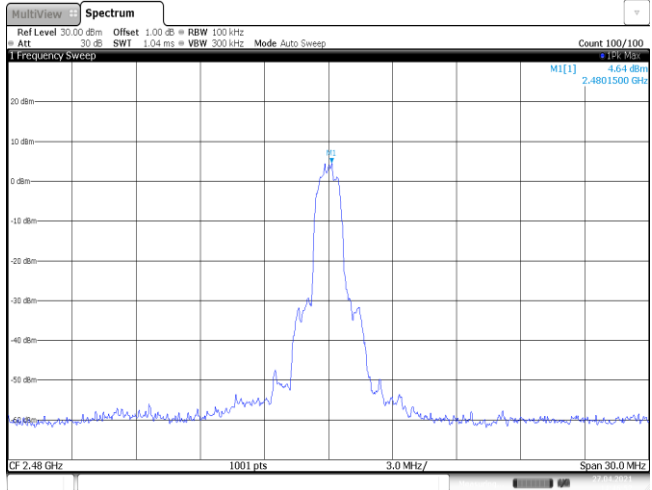
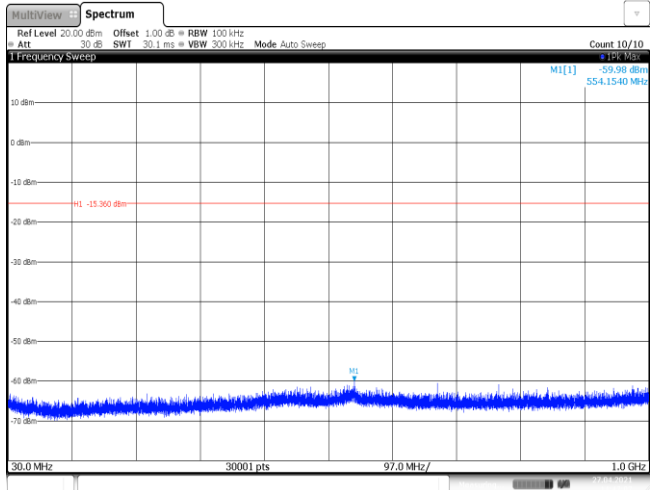
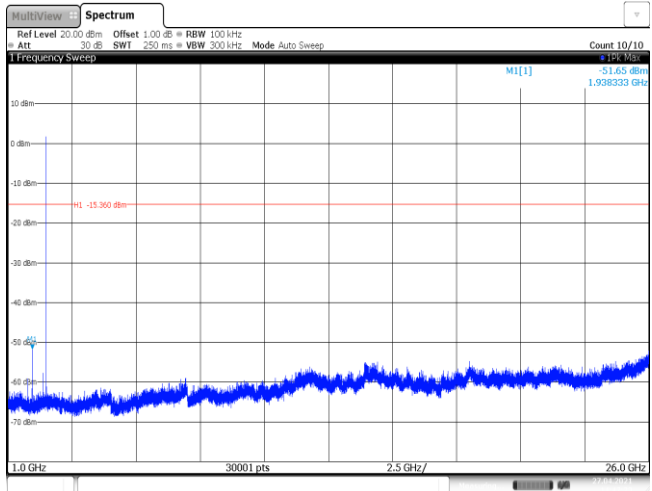
Test Item:	Spurious Emission	Modulation type:	$\pi/4$ DQPSK
<p>CH00 Reference level</p>	 <p>Date: 27 APR. 2021 14:16:24</p>		
<p>CH00 30MHz~1000MHz</p>	 <p>Date: 27 APR. 2021 14:16:40</p>		
<p>CH00 1GHz~26GHz</p>	 <p>Date: 27 APR. 2021 14:16:56</p>		

<p>CH39 Reference level</p>	 <p>Date: 27 APR 2021 14:19:54</p>
<p>CH39 30MHz~1000MHz</p>	 <p>Date: 27 APR 2021 14:20:10</p>
<p>CH39 1GHz~26GHz</p>	 <p>Date: 27 APR 2021 14:20:26</p>

<p>CH78 Reference level</p>	 <p>MultiView Spectrum Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att -30 dB SWF 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 1 Frequency Sweep MI[1] 4.50 dBm 2.4801500 GHz CF 2.48 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 27 APR 2021 14:21:38</p>
<p>CH78 30MHz~1000MHz</p>	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att -30 dB SWF 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1 Frequency Sweep MI[1] -60.13 dBm 555.4480 MHz HI -15.500 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 27 APR 2021 14:21:54</p>
<p>CH78 1GHz~26GHz</p>	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att -30 dB SWF 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1 Frequency Sweep MI[1] -52.29 dBm 25.923333 GHz HI -15.500 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 27 APR 2021 14:22:09</p>

Test Item:	Spurious Emission	Modulation type:	8DPSK
<p>CH00 Reference level</p>			
<p>CH00 30MHz~1000MHz</p>			
<p>CH00 1GHz~26GHz</p>			

<p>CH39 Reference level</p>	 <p>Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att -30 dB SWF 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 MI[1] 5.48 dBm 2.441500 GHz CF 2.441 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 27 APR 2021 14:57:16</p>
<p>CH39 30MHz~1000MHz</p>	 <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att -30 dB SWF 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 MI[1] -60.53 dBm 566.0200 MHz MI -14.500 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 27 APR 2021 14:57:52</p>
<p>CH39 1GHz~26GHz</p>	 <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att -30 dB SWF 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 MI[1] -52.59 dBm 25.943333 GHz MI -14.500 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 27 APR 2021 14:57:47</p>

<p>CH78 Reference level</p>	 <p>MultiView Spectrum Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att -30 dB SWF 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 1 Frequency Sweep MI[1] 4.64 dBm 2.4801500 GHz CF 2.48 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 27 APR 2021 14:46:52</p>
<p>CH78 30MHz~1000MHz</p>	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att -30 dB SWF 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1 Frequency Sweep MI[1] -59.98 dBm 554.1540 MHz MI -15.90 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 27 APR 2021 14:47:48</p>
<p>CH78 1GHz~26GHz</p>	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att -30 dB SWF 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1 Frequency Sweep MI[1] -51.63 dBm 1.936333 GHz MI -15.90 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 27 APR 2021 14:47:24</p>

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