

# APPENDIX REPORT

Project No.	SHT2103019503EW	Radio Specification	Bluetooth EDR
Test sample No.	YPHT21030195011	Model No.	K7
Start test date	2021-08-10	Finish date	2021-08-10
Temperature	25.4°C	Humidity	38%
Test Engineer	Weiyang Xiang	Auditor	Xiaodong Zheo

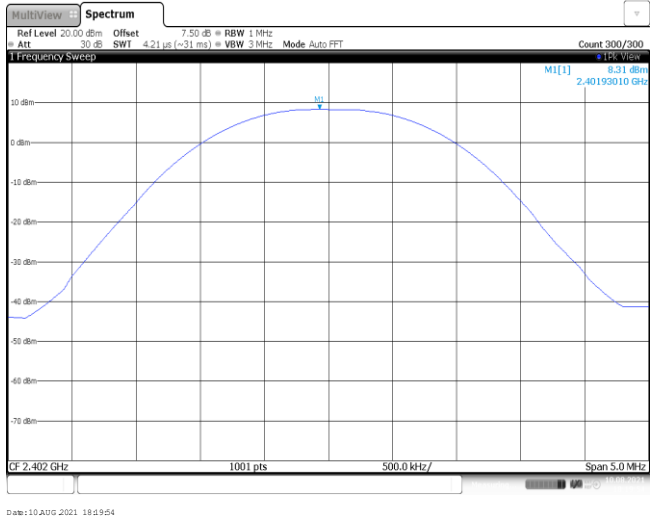
Appendix clause	Test item	Result
A	Peak Output Power	PASS
B	20 dB Bandwidth	PASS
C	99% Occupied Bandwidth	PASS
D	Carrier Frequencies Separation	PASS
E	Hopping Channel Number	PASS
F	Dwell Time	PASS
G	Duty Cycle Correction Factor (DCCF)	PASS
H	Band edge and Spurious Emissions(coducted)	PASS

**Appendix A: Peak Output Power**

Modulation type	Channel	Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
GFSK	00	8.31	8.30	≤ 30.00	Pass
	39	8.20	8.18		
	78	7.34	7.29		
π/4DQPSK	00	6.57	6.01	≤ 21.00	Pass
	39	6.41	5.74		
	78	6.28	5.63		
8DPSK	00	6.84	5.79	≤ 21.00	Pass
	39	6.41	5.36		
	78	6.46	5.46		

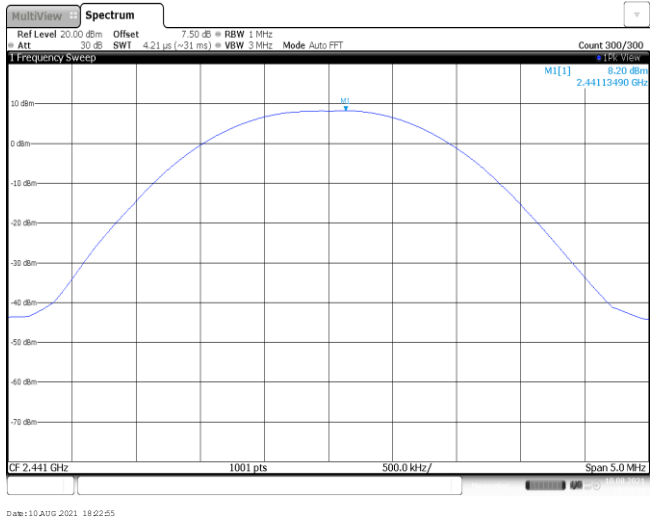
**Modulation Type: GFSK**

CH00



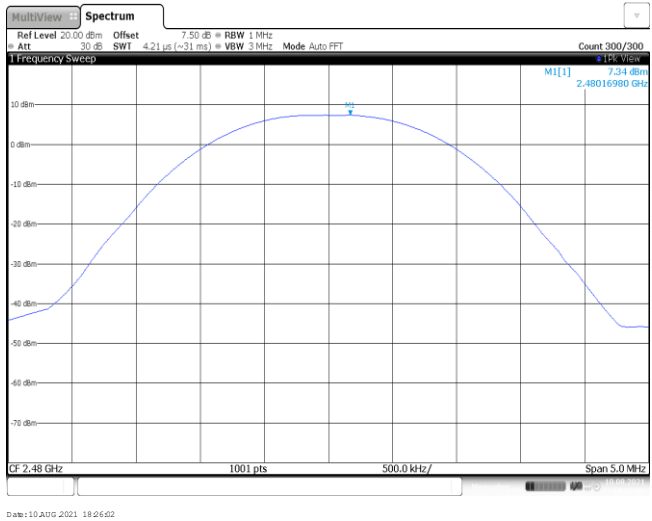
Date: 10 AUG 2021 18:19:54

CH39



Date: 10 AUG 2021 18:22:55

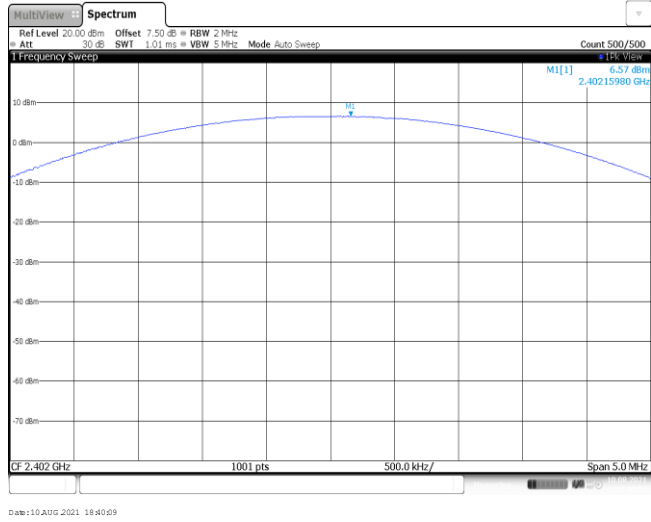
CH78



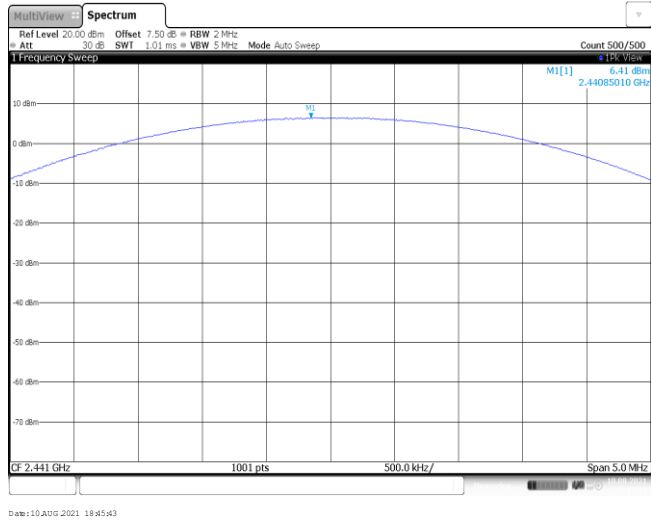
Date: 10 AUG 2021 18:26:02

Modulation Type:  $\pi/4$ DQPSK

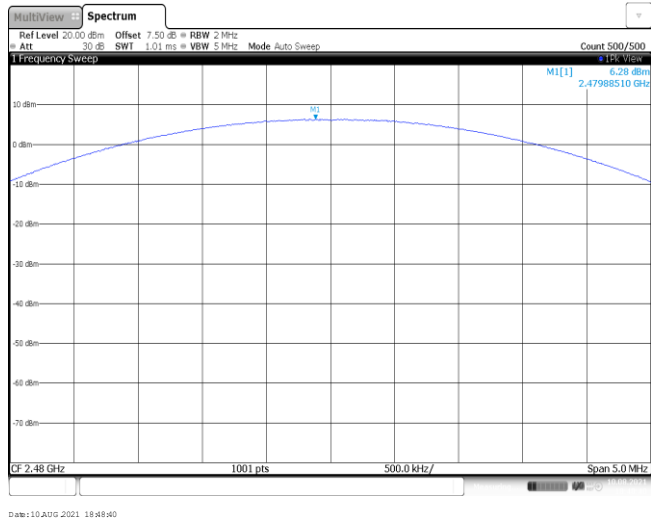
CH00



CH39

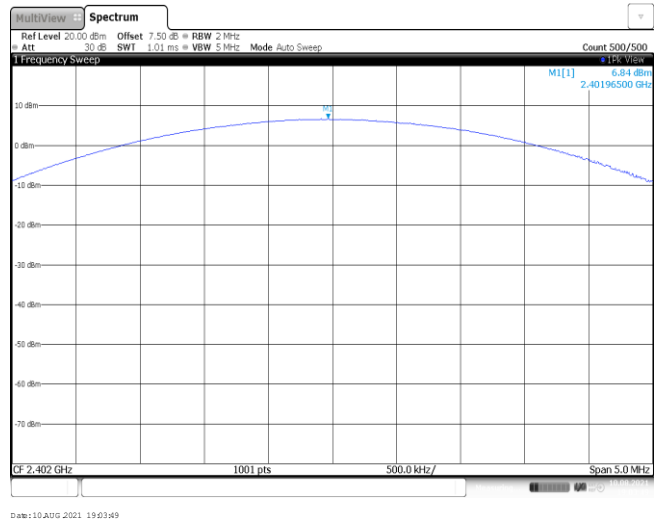


CH78

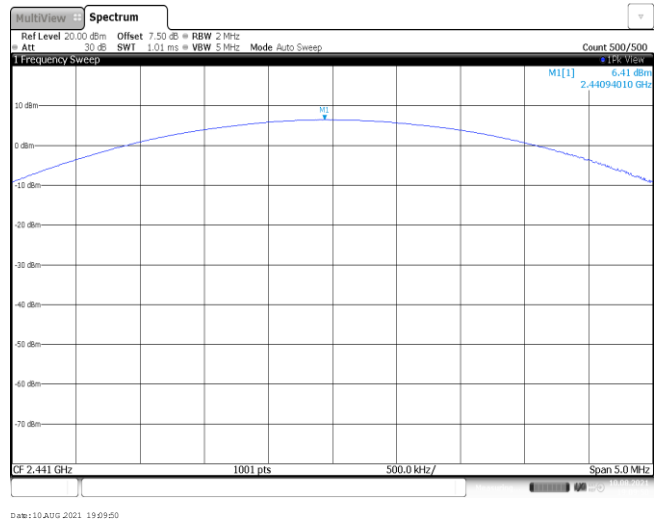


**Modulation Type: 8DPSK**

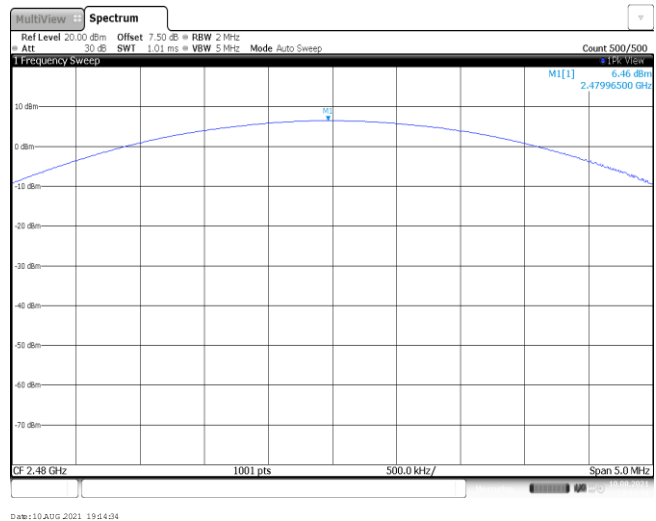
CH00



CH39



CH78

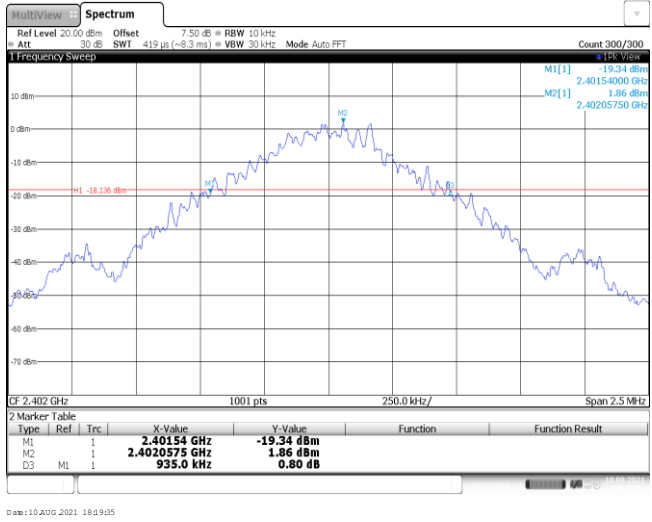


**Appendix B : 20 dB Bandwidth**

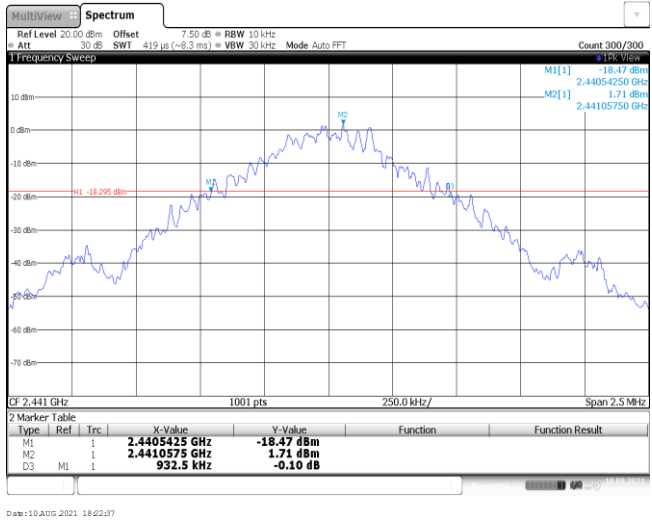
Modulation type	Channel	20 dB Bandwidth (kHz)	Limit (kHz)	Result
GFSK	00	935.00	-	Pass
	39	932.50		
	78	932.50		
$\pi/4$ DQPSK	00	1287.50	-	Pass
	39	1287.50		
	78	1285.00		
8DPSK	00	1305.00	-	Pass
	39	1295.00		
	78	1292.50		

**Modulation Type: GFSK**

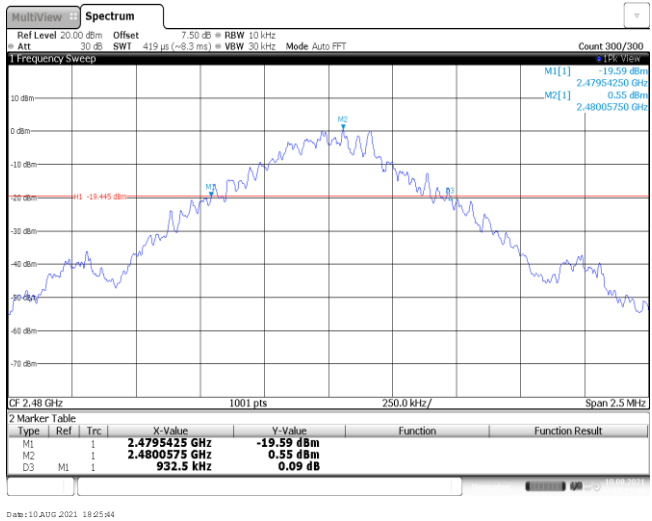
CH00



CH39

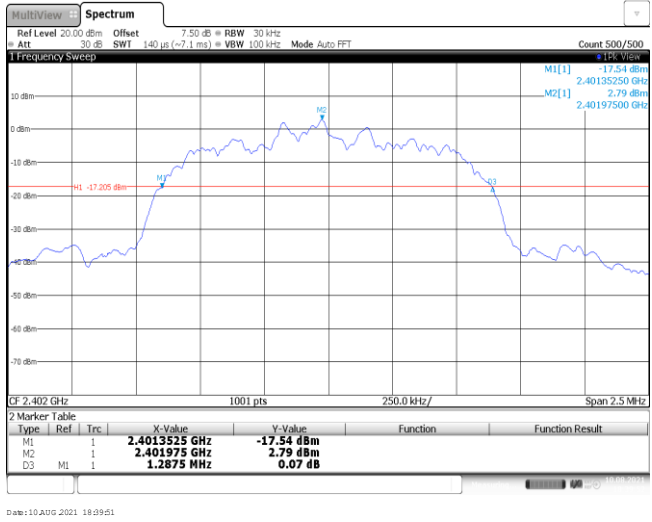


CH78

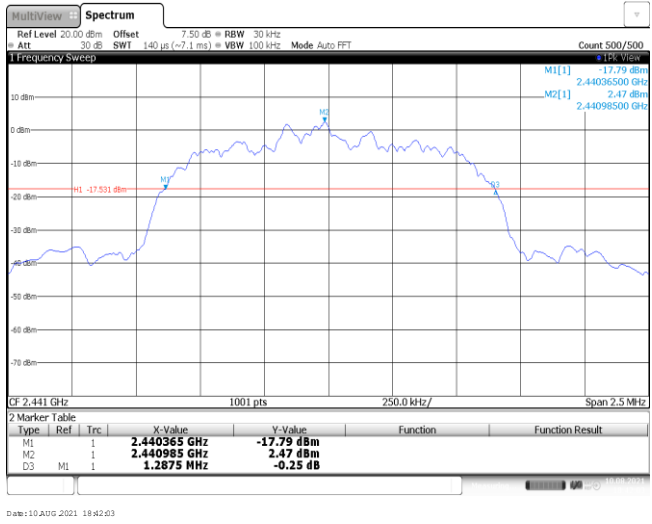


**Modulation Type:**  $\pi/4$ DQPSK

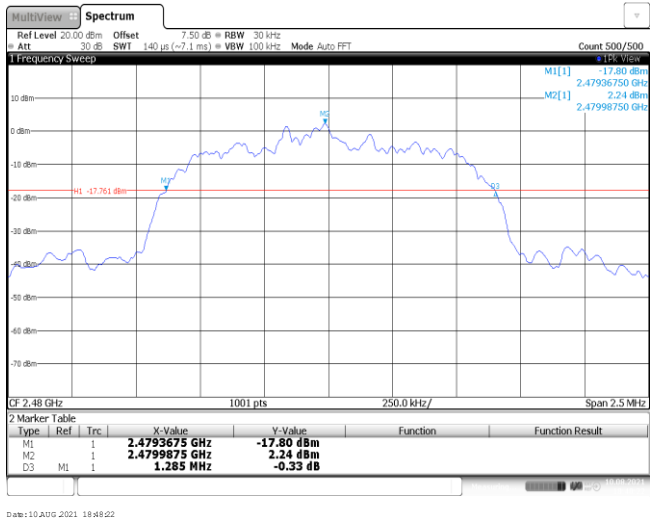
CH00



CH39



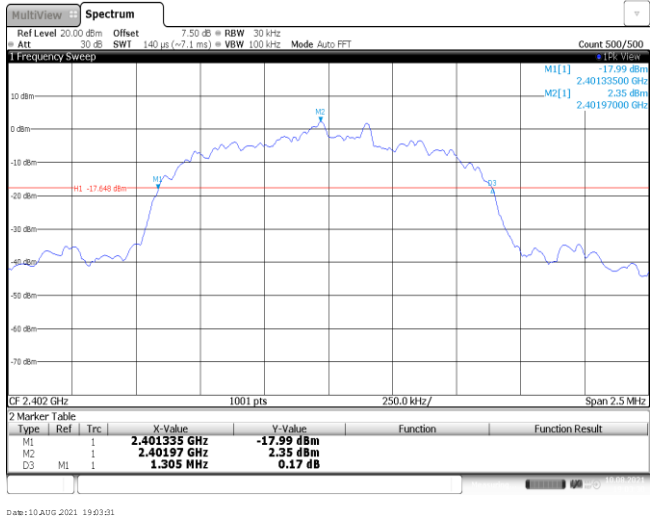
CH78





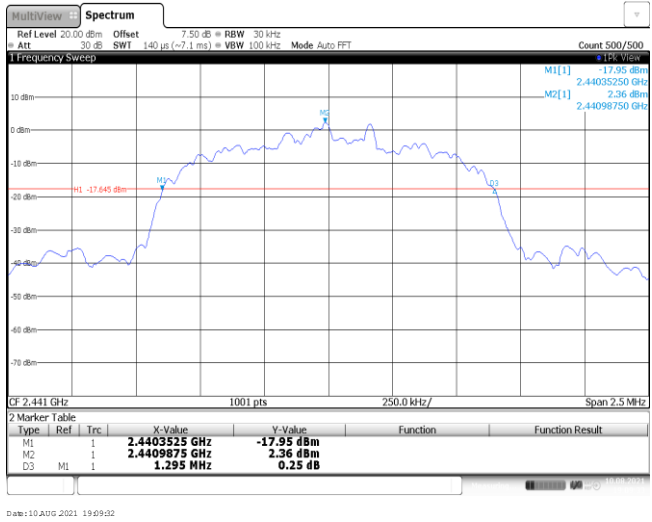
**Modulation Type: 8DPSK**

CH00



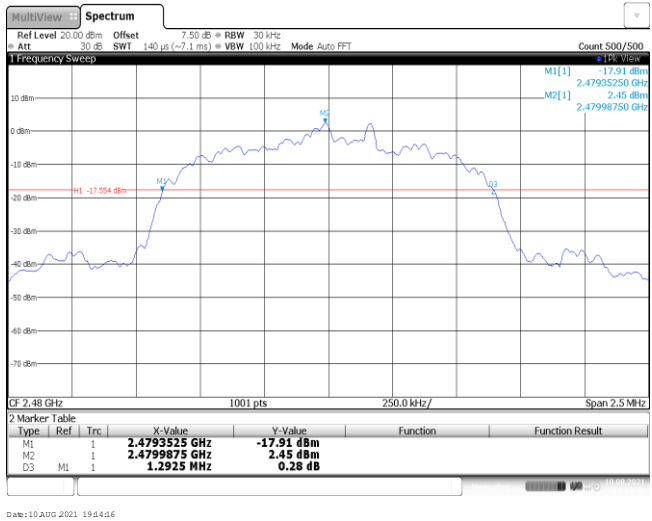
Date: 10 AUG 2021 19:03:01

CH39



Date: 10 AUG 2021 19:09:20

CH78



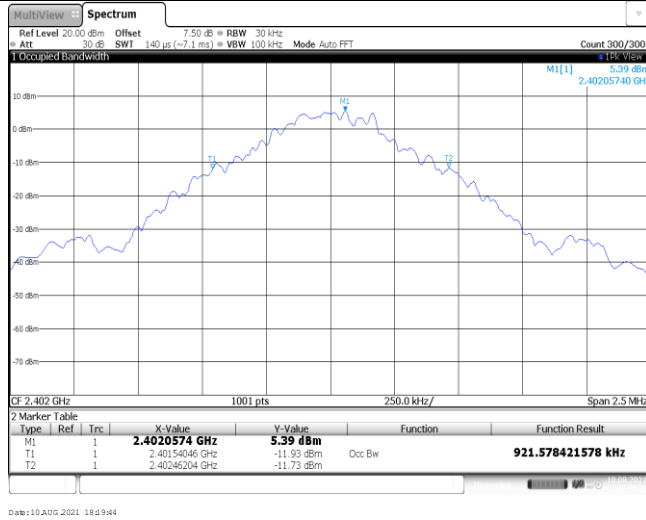
Date: 10 AUG 2021 19:14:46

**Appendix C: 99% Occupied Bandwidth**

Modulation type	Channel	99% Occupied Bandwidth (MHz)	Limit (MHz)	Result
GFSK	00	0.92	-	Pass
	39	0.92		
	78	0.92		
$\pi/4$ DQPSK	00	1.18	-	Pass
	39	1.18		
	78	1.17		
8DPSK	00	1.19	-	Pass
	39	1.18		
	78	1.18		

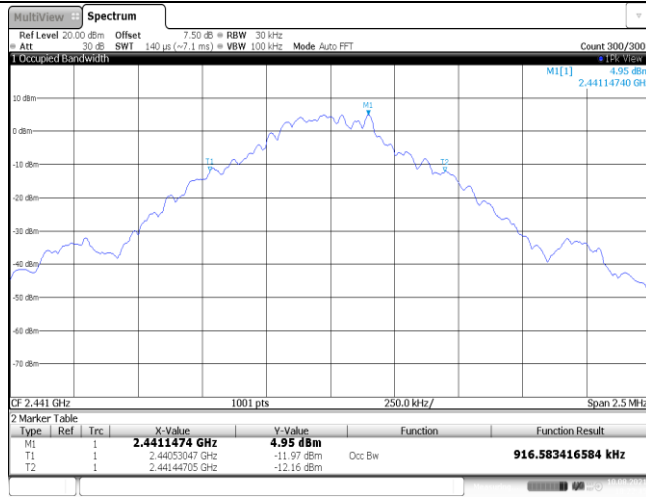
**Modulation Type: GFSK**

CH00



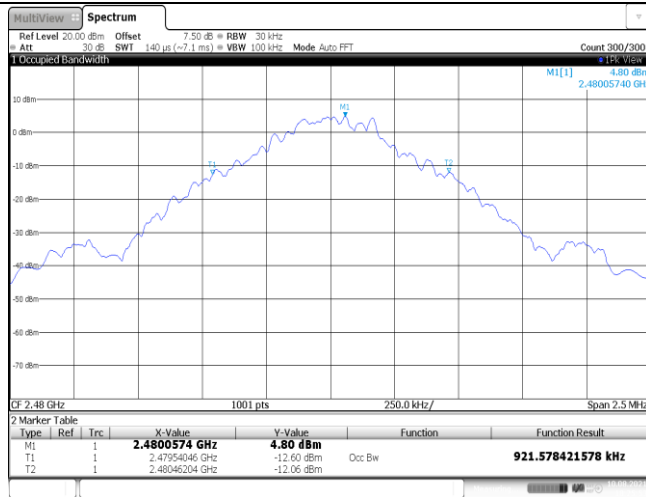
Date:10.AUG.2021 18:19:44

CH39



Date:10.AUG.2021 18:22:45

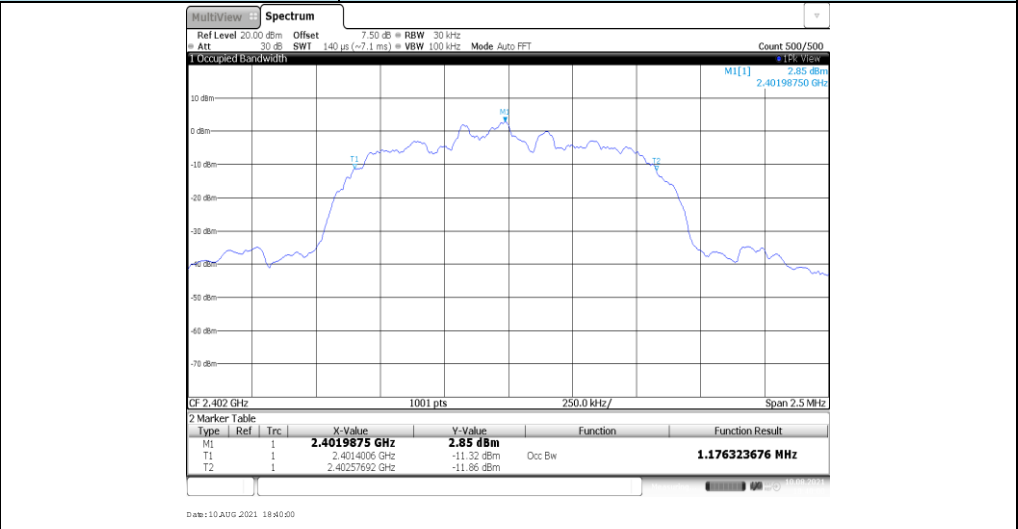
CH78



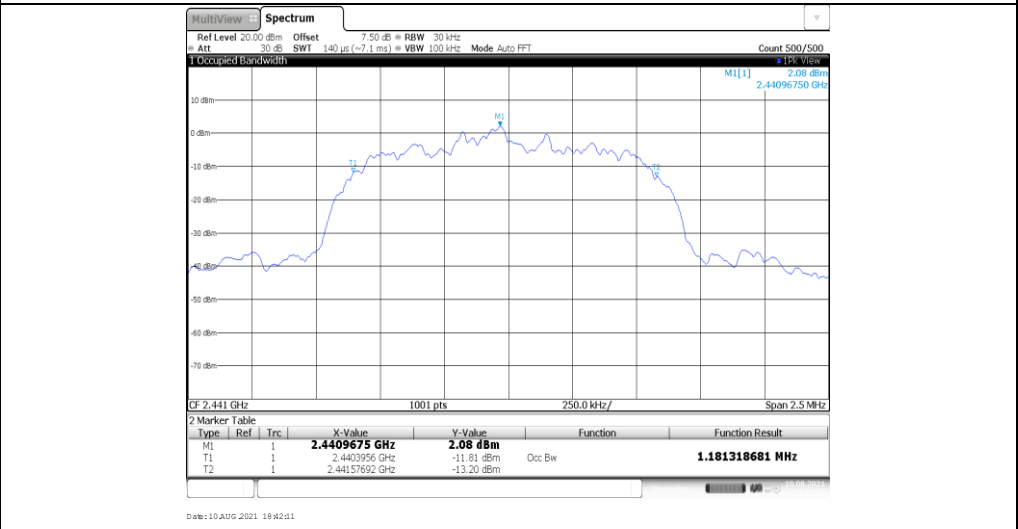
Date:10.AUG.2021 18:25:53

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

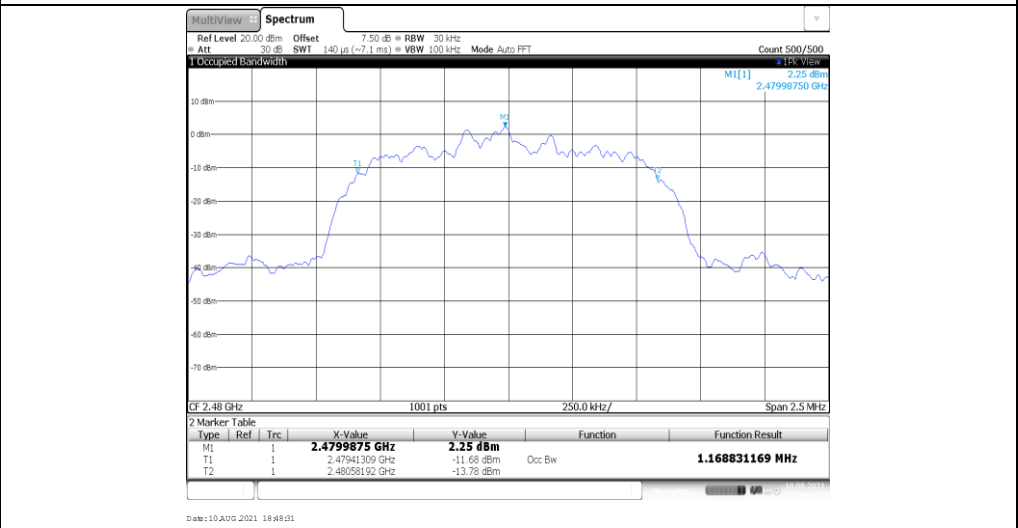
CH00



CH39

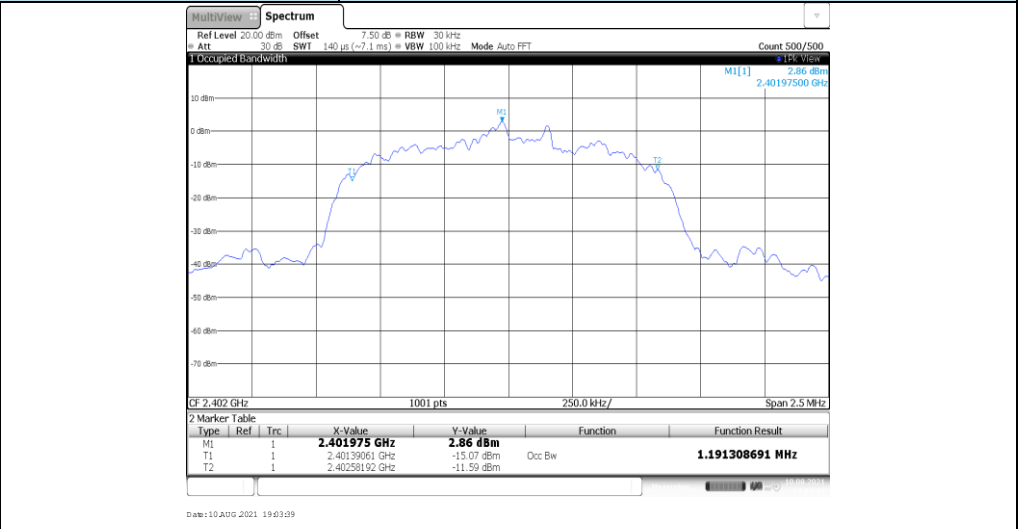


CH78

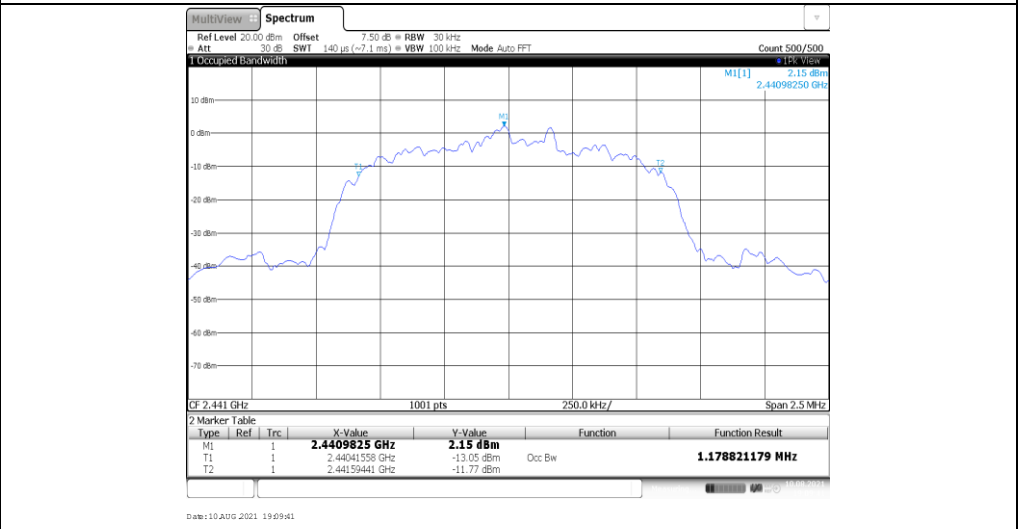


**Modulation Type: 8DPSK**

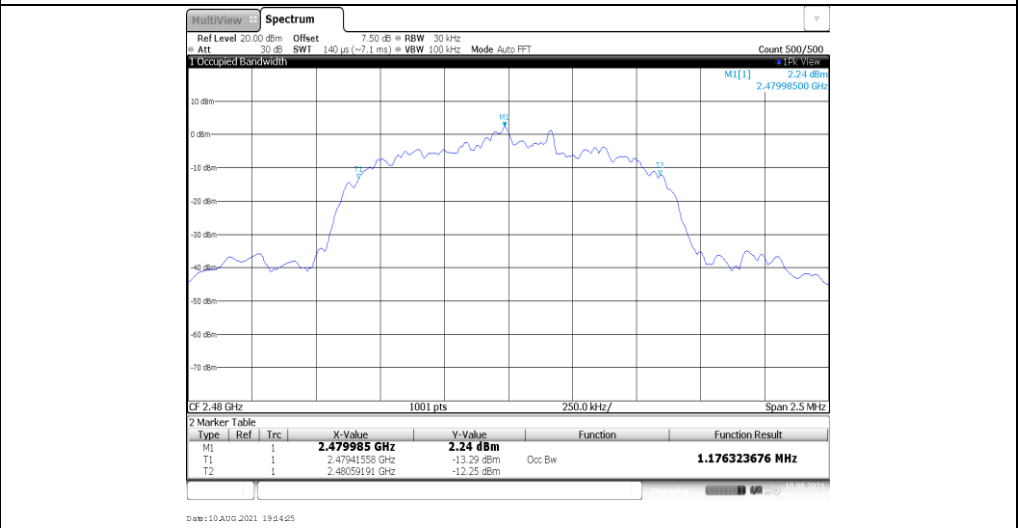
CH00



CH39



CH78



**Appendix D: Carrier Frequencies Separation**

Modulation type	Channel	Carrier Frequencies Separation (MHz)	Limit (kHz) *	Result
GFSK	39	1.00	≥935.00	Pass
π/4DQPSK	39	1.00	≥858.33	Pass
8DPSK	39	1.00	≥870.00	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

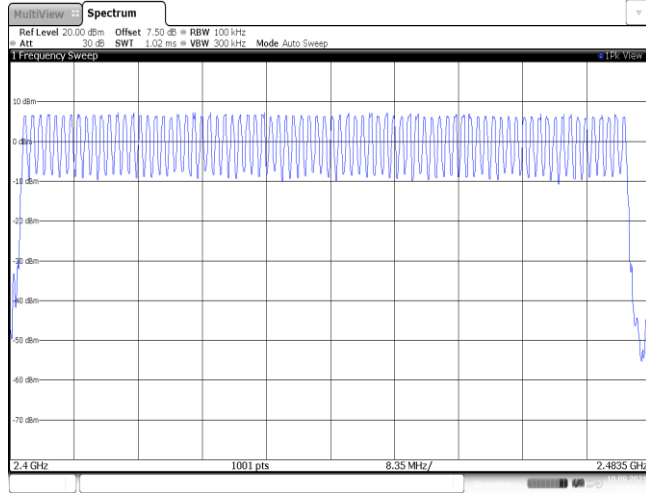
<p style="text-align: center;">GFSK</p>	<p>MultiView Spectrum          Ref Level 20.00 dBm Offset 7.50 dB RBW 30 kHz          Att 30 dB SWI 140 μs (~7.0 ms) VBW 100 kHz Mode Auto FFT Count 100/100          1 Frequency Sweep          M1[1] 2.44105653 GHz -0.33 dBm          D1[1] 1.00331 MHz -0.03 dB          2.44 GHz 1001 pts 300.0 kHz/ 2.443 GHz          Date: 10.AUG.2021 19:43:13</p>
<p style="text-align: center;"><math>\pi/4</math>DQPSK</p>	<p>MultiView Spectrum          Ref Level 20.00 dBm Offset 7.50 dB RBW 30 kHz          Att 30 dB SWI 140 μs (~7.0 ms) VBW 100 kHz Mode Auto FFT Count 100/100          1 Frequency Sweep          M1[1] 2.44067300 GHz -3.52 dBm          D1[1] 1.00150 MHz -0.52 dB          2.44 GHz 1001 pts 300.0 kHz/ 2.443 GHz          Date: 10.AUG.2021 18:53:30</p>
<p style="text-align: center;">8DPSK</p>	<p>MultiView Spectrum          Ref Level 20.00 dBm Offset 7.50 dB RBW 30 kHz          Att 30 dB SWI 140 μs (~7.0 ms) VBW 100 kHz Mode Auto FFT Count 100/100          1 Frequency Sweep          M1[1] 2.44116100 GHz 2.13 dBm          D1[1] 1.00200 MHz -0.88 dB          2.44 GHz 1001 pts 300.0 kHz/ 2.443 GHz          Date: 10.AUG.2021 19:24:20</p>

**Appendix E: Hopping Channel Number**

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

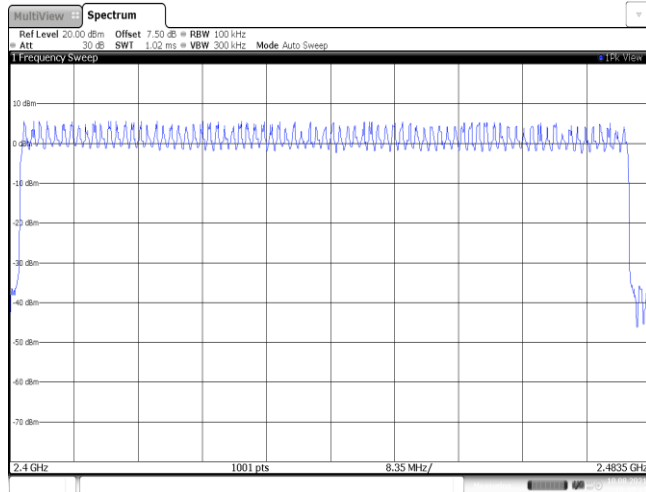


GFSK



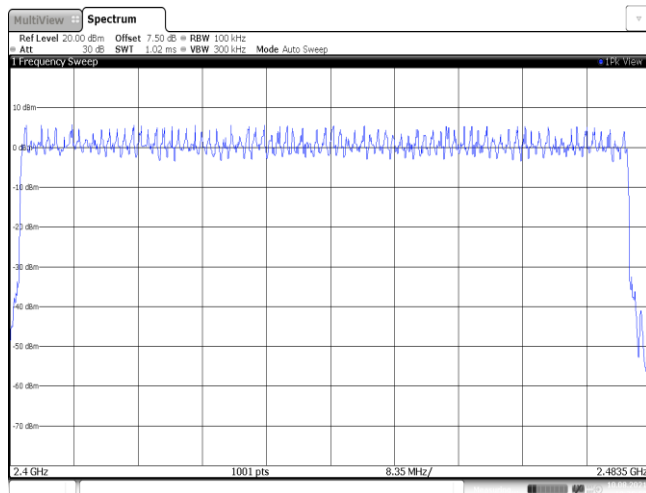
Date:10.AUG.2021 18:32:44

$\pi/4$ DQPSK



Date:10.AUG.2021 18:57:50

8DPSK



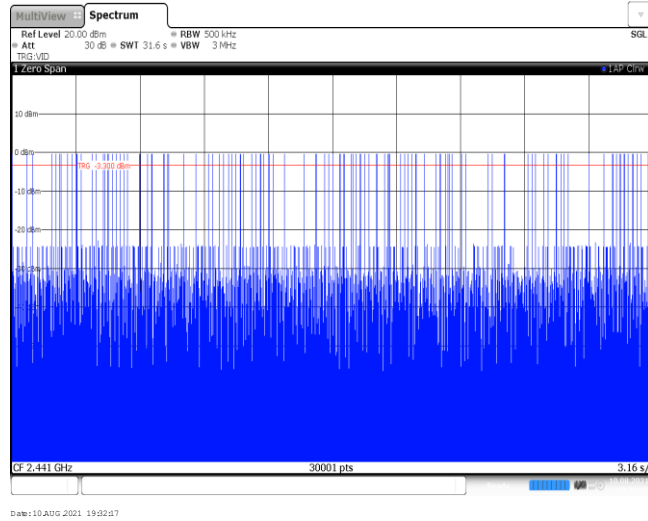
Date:10.AUG.2021 19:05:50

**Appendix F: Dwell Time**

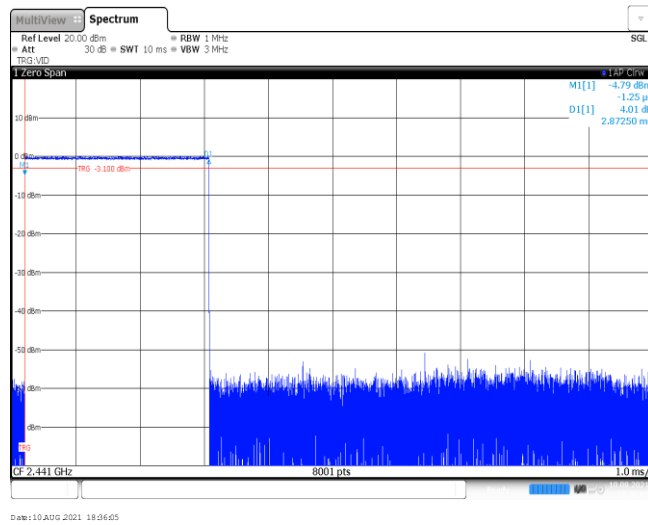
Modulation type	Packet	Burst Width [ms]	Total Hops[hop*ch]	Dwell time (Second)	Limit (Second)	Result
GFSK	DH1	0.37	318	0.12	≤ 0.40	Pass
	DH3	1.63	113	0.18		
	DH5	2.87	65	0.19		
π/4DQPSK	2DH1	0.38	320	0.12	≤ 0.40	Pass
	2DH3	1.63	108	0.18		
	2DH5	2.88	64	0.18		
8DPSK	3DH1	0.38	320	0.12	≤ 0.40	Pass
	3DH3	1.63	117	0.19		
	3DH5	2.88	73	0.21		

Modulation Type: GFSK	
DH1 Burst width	<p>Ref Level 20.00 dBm Att 30 dB RBW 1 MHz SWT 10 ms VBW 3 MHz</p> <p>M[1] 7.55 dBm -6.25 μs D1[1] 7.54 dBm 373.75 μs</p> <p>CF 2.441 GHz 8001 pts 1.0 ms/</p> <p>Date: 10.AUG.2021 19:00:29</p>
DH1 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: 10.AUG.2021 19:01:03</p>
DH3 Burst width	<p>Ref Level 20.00 dBm Att 30 dB RBW 1 MHz SWT 10 ms VBW 3 MHz</p> <p>M[1] -5.27 dBm 1.25 μs D1[1] 4.56 dBm 1.62500 ms</p> <p>CF 2.441 GHz 8001 pts 1.0 ms/</p> <p>Date: 10.AUG.2021 19:01:43</p>

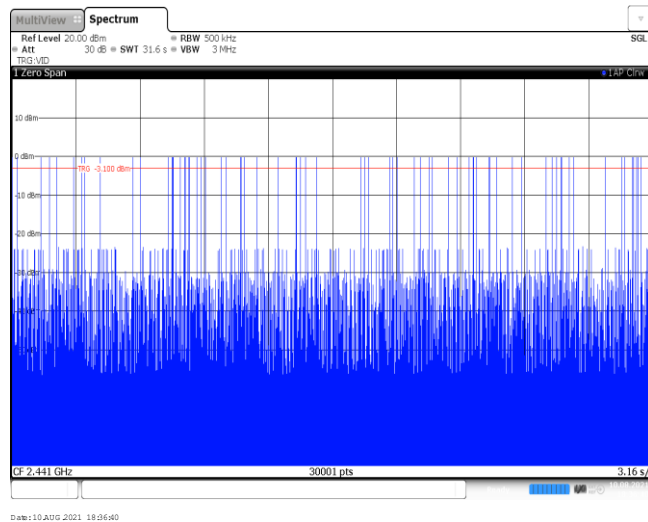
DH3  
Burst number



DH5  
Burst width

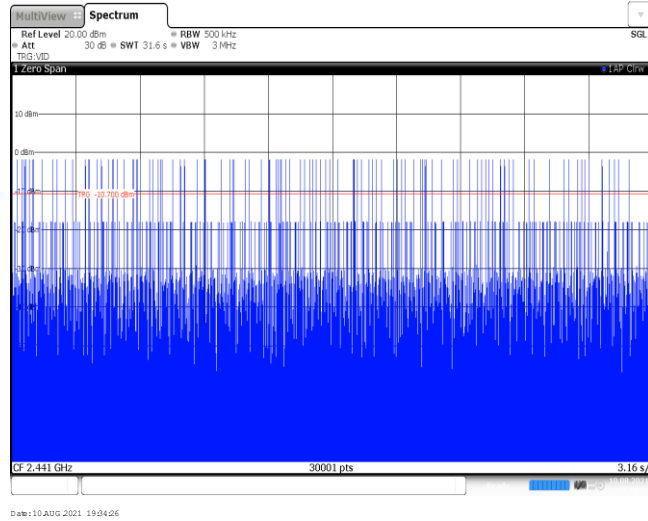


DH5  
Burst number

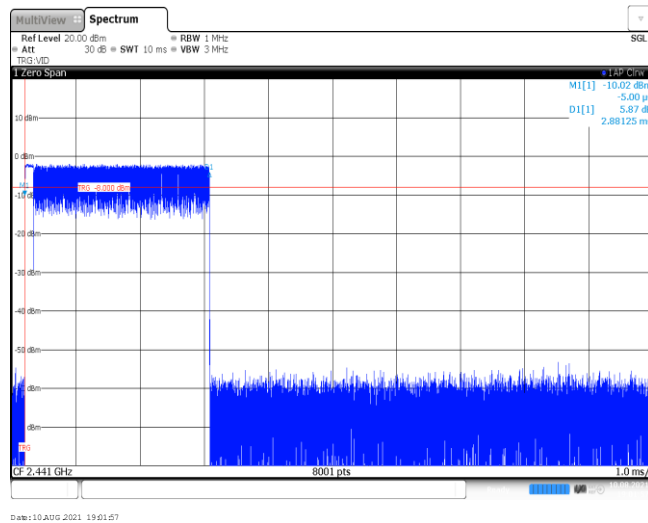


Modulation Type: $\pi/4$ DQPSK	
2DH1 Burst width	<p>Ref Level 20.00 dBm Att 30 dB RBW 1 MHz SWT 10 ms VBW 3 MHz</p> <p>M1[1] -11.25 dBm D1[1] 7.48 dB 376.25 ps</p> <p>TR0 -4.800 dBm</p> <p>CF 2.441 GHz 8001 pts 1.0 ms/</p> <p>Date: 10.AUG.2021 19:32:58</p>
2DH1 Burst number	<p>Ref Level 20.00 dBm Att 30 dB RBW 500 kHz SWT 31.6 s VBW 3 MHz</p> <p>M1[1] -7.81 dBm D1[1] 4.22 dB 1.62875 ms</p> <p>TR0 -4.800 dBm</p> <p>CF 2.441 GHz 30001 pts 3.16 s/</p> <p>Date: 10.AUG.2021 19:33:32</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] -7.81 dBm D1[1] 4.22 dB 1.62875 ms</p> <p>TR0 -7.000 dBm</p> <p>CF 2.441 GHz 8001 pts 1.0 ms/</p> <p>Date: 10.AUG.2021 19:33:52</p>

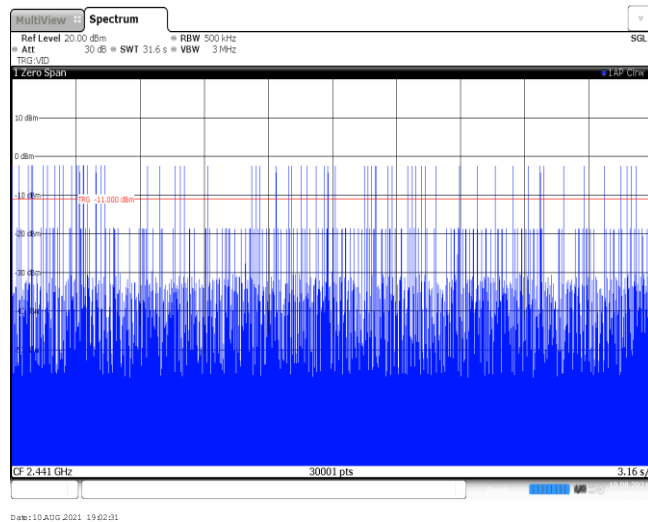
2DH3  
Burst number



2DH5  
Burst width

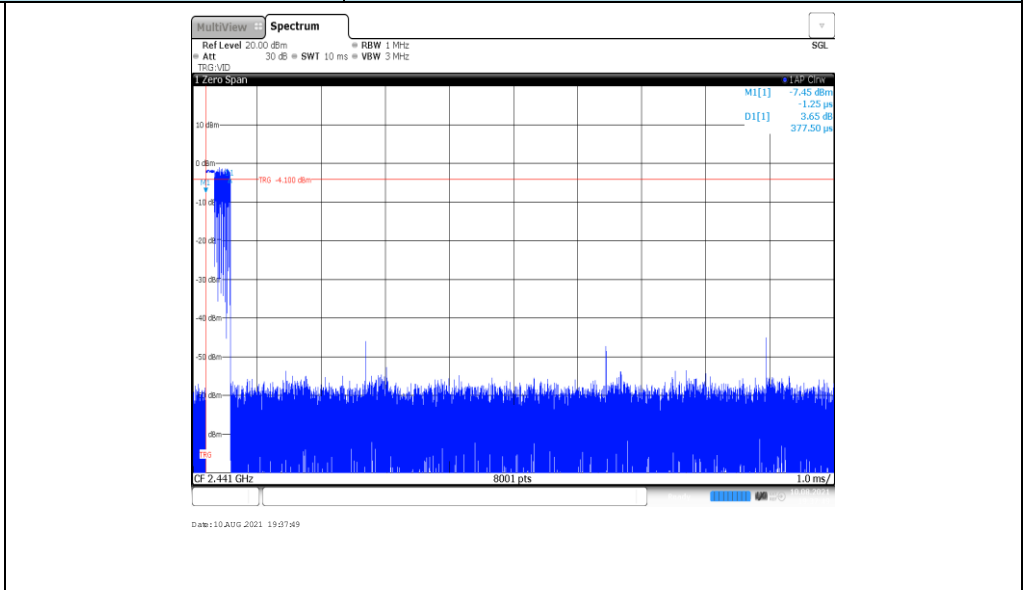


2DH5  
Burst number

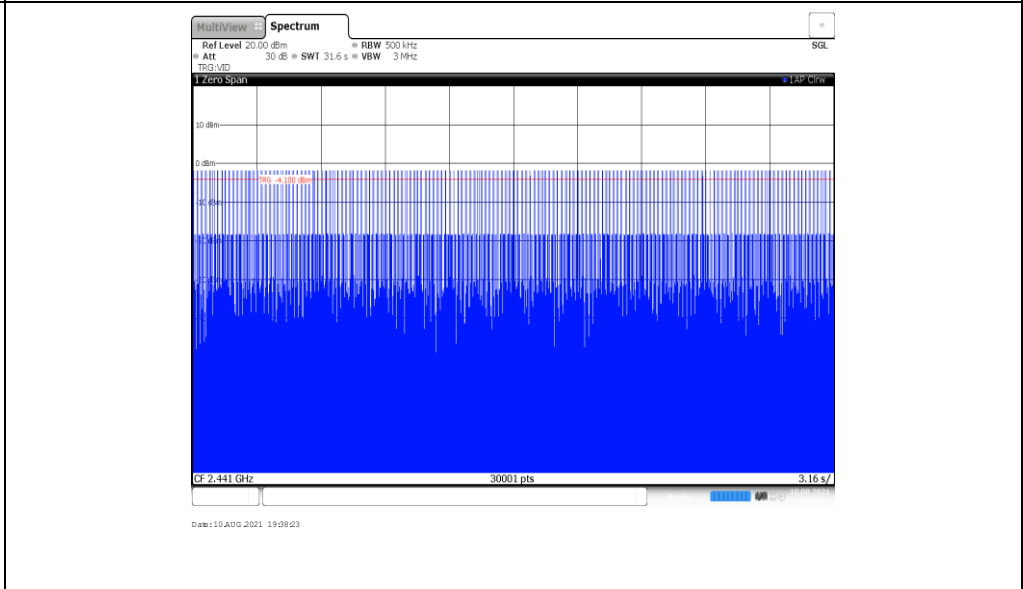


**Modulation Type: 8DPSK**

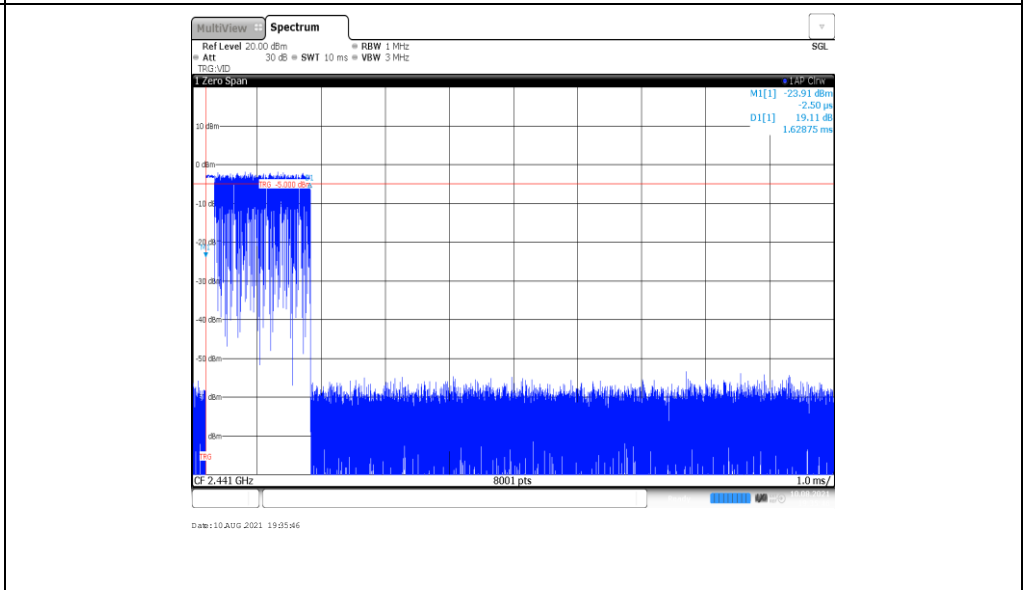
3DH1  
Burst width



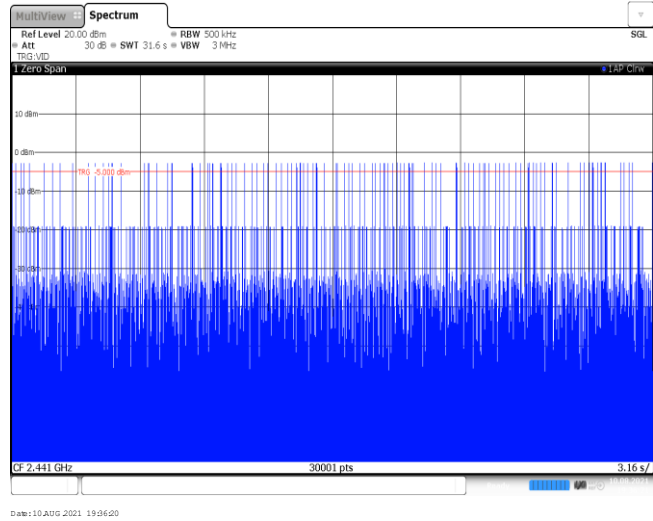
3DH1  
Burst number



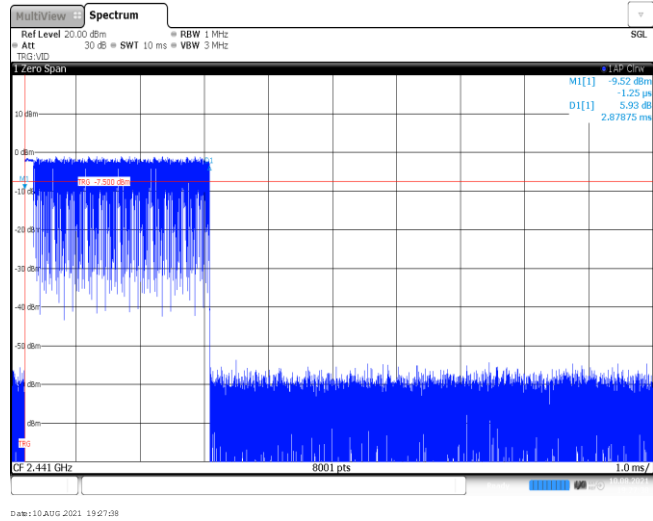
3DH3  
Burst width



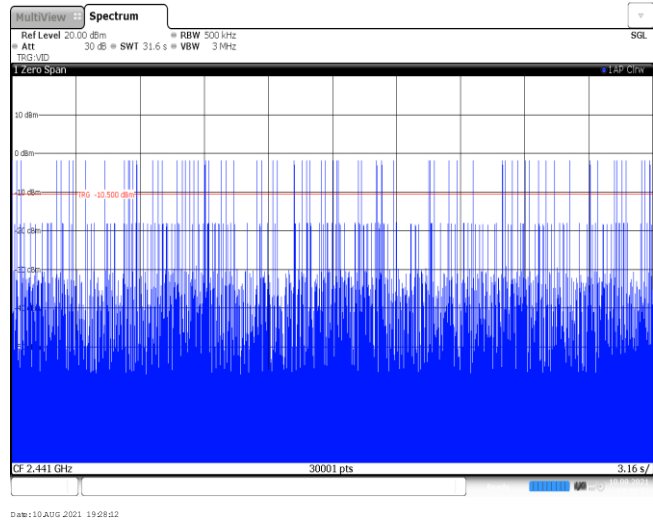
3DH3  
Burst number



3DH5  
Burst width



3DH5  
Burst number



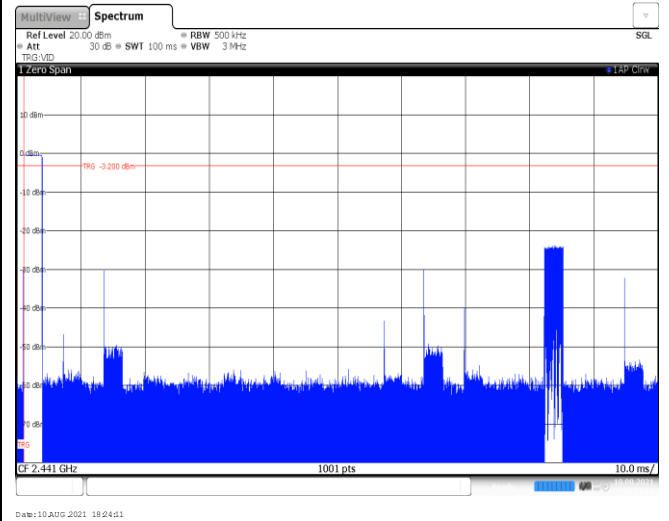
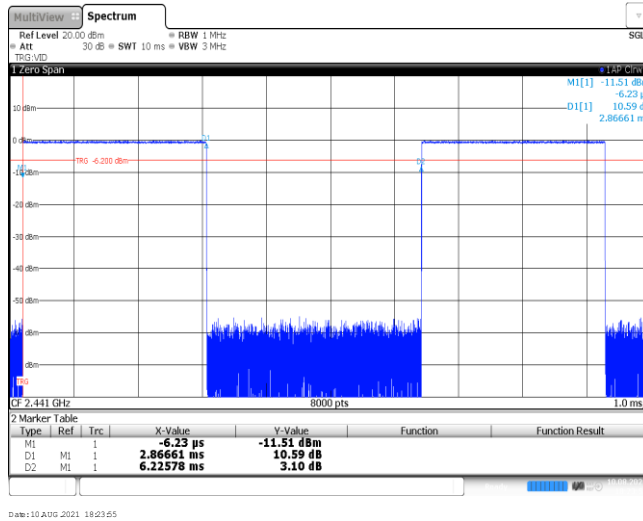


**Appendix G: Duty Cycle Correction Factor (DCCF)****DCCF Calculate Formula**

$$\text{DCCF} = 20 * \text{Log}(\text{duty cycle}) = 20 * \text{Log}(T_{\text{on time}} / T_{\text{period}})$$

Modulation type	Test Frequency (MHz)	T <sub>on time</sub> for single burst [ms]	T <sub>period</sub> [ms]	Burst Quantity	DCCF [dB]
GFSK	2441	2.87	100	2	-24.82
$\pi/4$ DQPSK	2441	2.87	100	1	-30.84
8DPSK	2441	2.88	100	1	-30.81

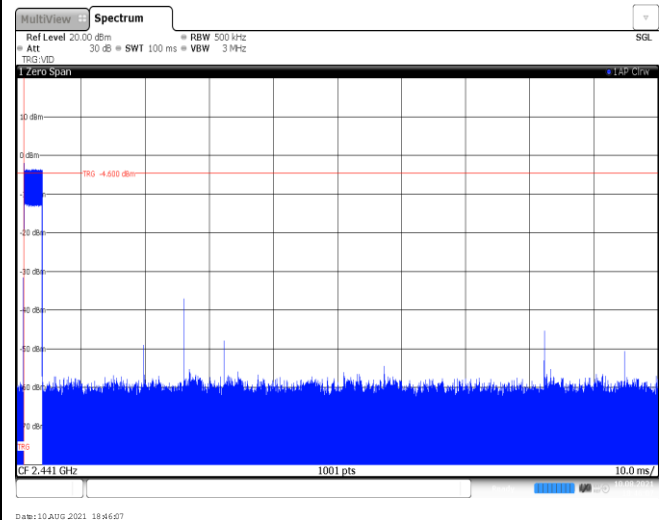
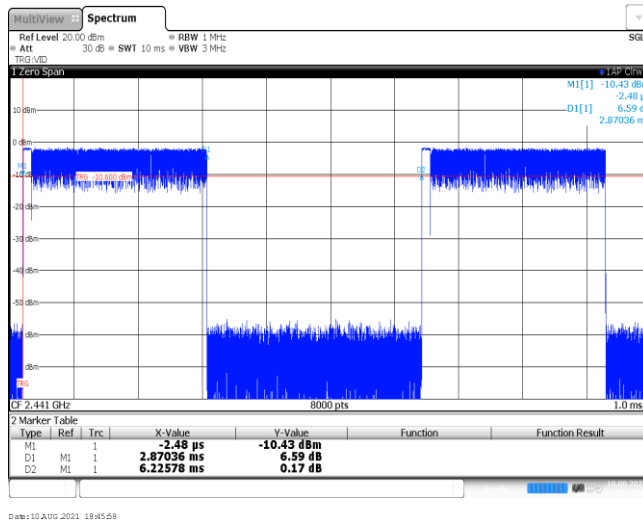
GFSK



Ton time for single burst

Burst Quantity

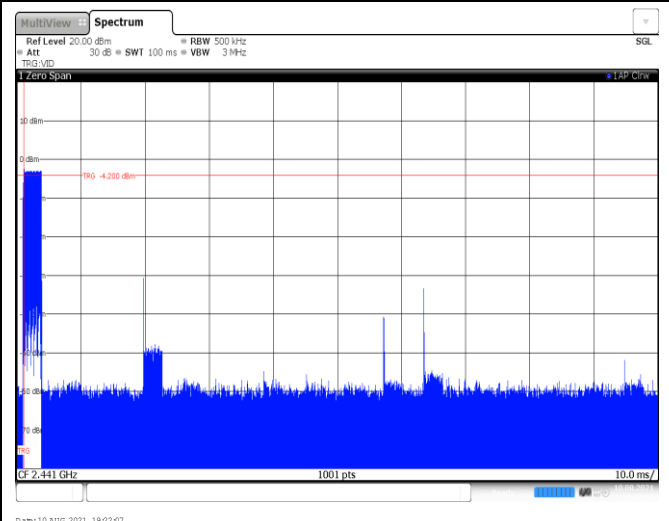
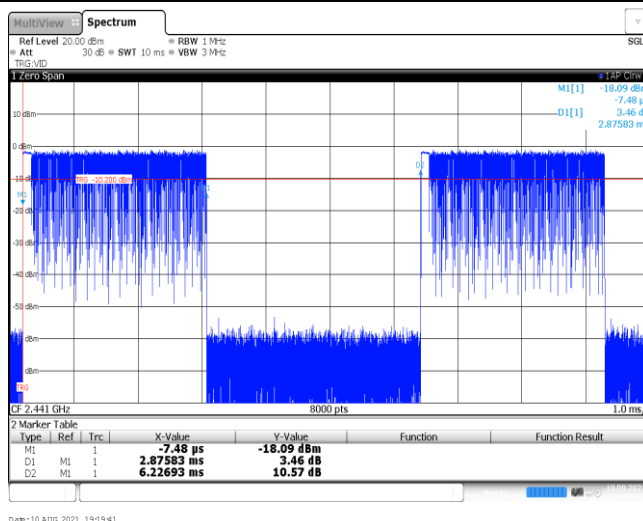
$\pi/4$  DQPSK



Ton time for single burst

Burst Quantity

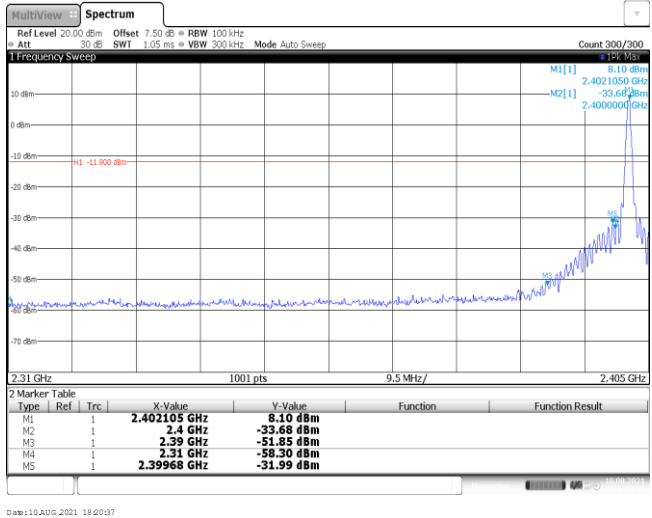
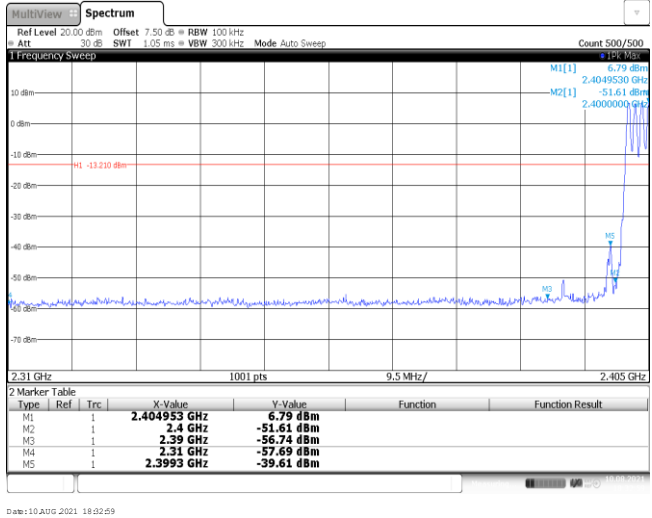
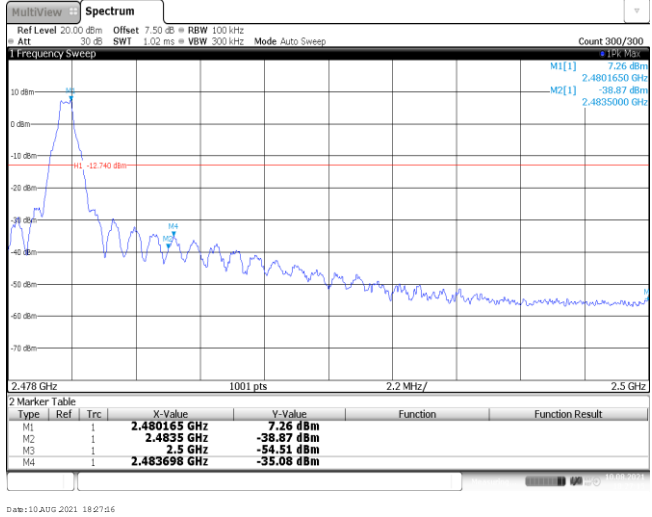
8DPSK



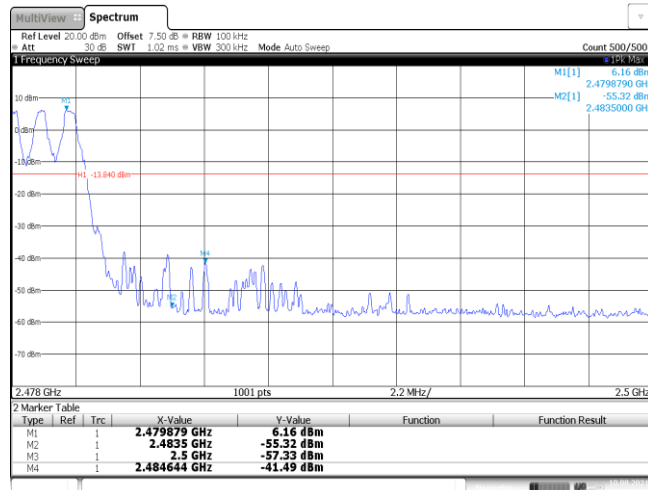
Ton time for single burst

Burst Quantity

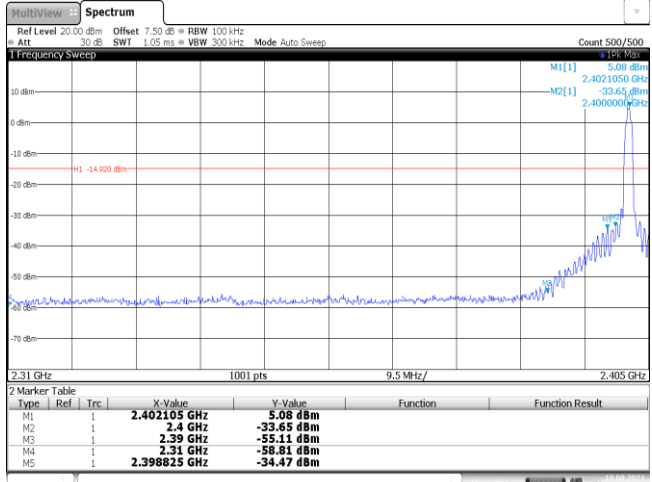
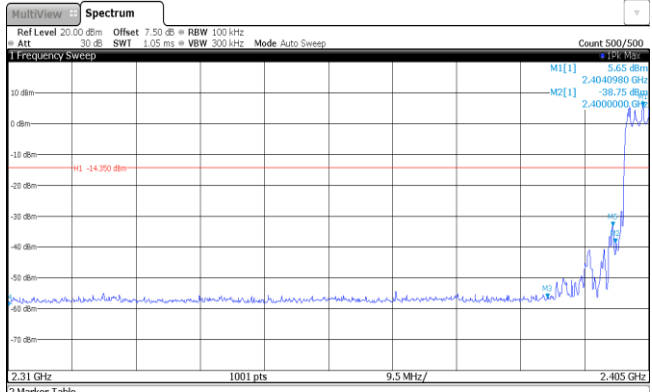
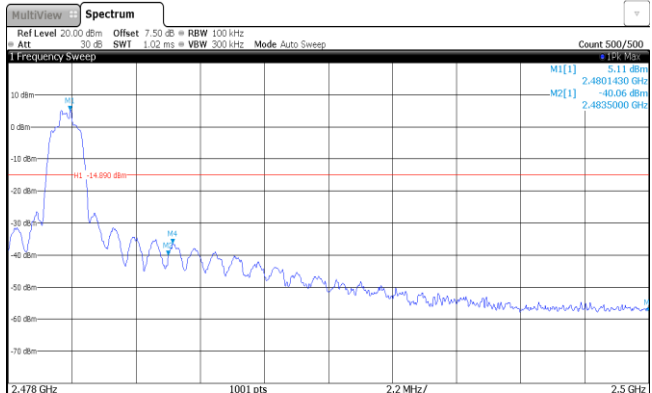
**Appendix H: Band edge and Spurious Emissions (conducted)**

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

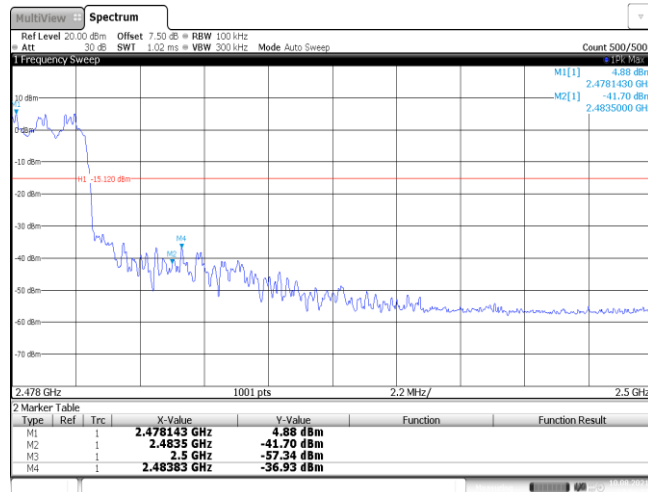
CH78  
Hopping mode



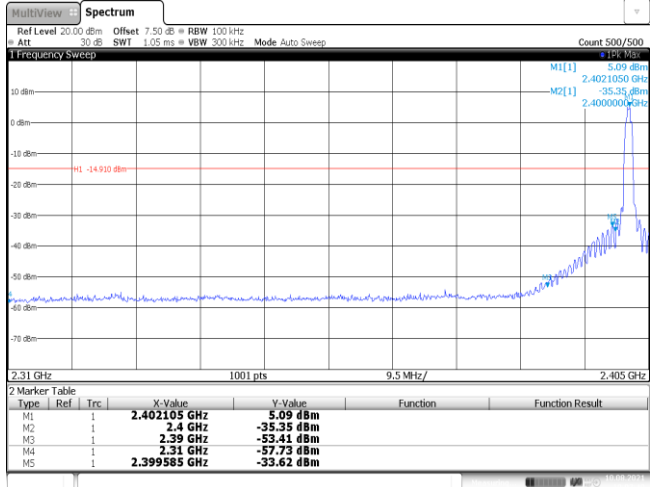
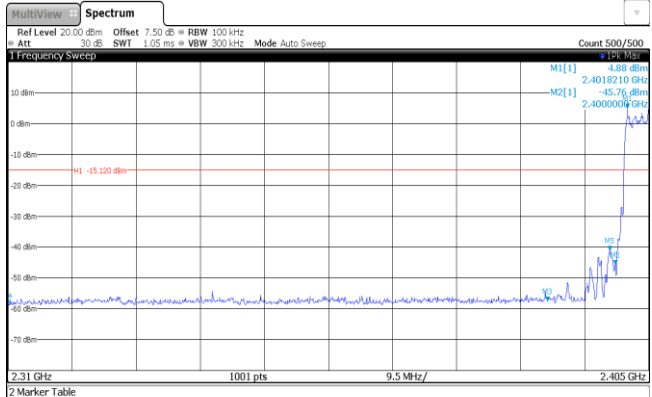
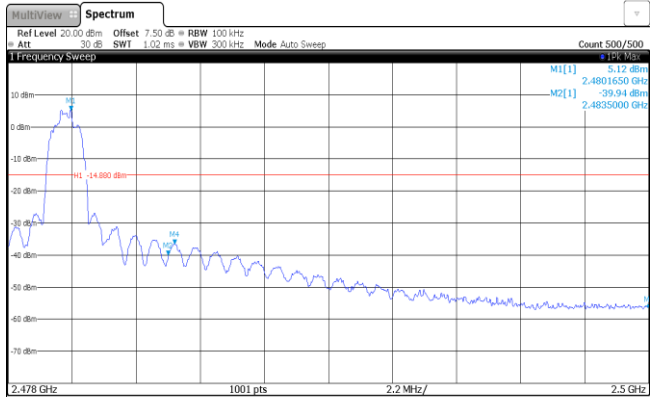
Date:10.20.2021 18:03:13

Test Item:	Band edge	Modulation type:	$\pi/4$ DQPSK																																										
<p>CH00 No hopping mode</p>	 <table border="1" data-bbox="683 645 1337 734"> <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>5.08 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-33.65 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-55.11 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-58.81 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.398825 GHz</td> <td>-34.47 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 10.AUG.2021 18:40:55</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.402105 GHz	5.08 dBm			M2	1		2.4 GHz	-33.65 dBm			M3	1		2.39 GHz	-55.11 dBm			M4	1		2.31 GHz	-58.81 dBm			M5	1		2.398825 GHz	-34.47 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.402105 GHz	5.08 dBm																																									
M2	1		2.4 GHz	-33.65 dBm																																									
M3	1		2.39 GHz	-55.11 dBm																																									
M4	1		2.31 GHz	-58.81 dBm																																									
M5	1		2.398825 GHz	-34.47 dBm																																									
<p>CH00 Hopping mode</p>	 <table border="1" data-bbox="683 1191 1337 1281"> <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>2.404098 GHz</td> <td>5.65 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-38.75 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-56.53 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-58.30 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.39968 GHz</td> <td>-33.35 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 10.AUG.2021 18:59:12</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.404098 GHz	5.65 dBm			M2	1		2.4 GHz	-38.75 dBm			M3	1		2.39 GHz	-56.53 dBm			M4	1		2.31 GHz	-58.30 dBm			M5	1		2.39968 GHz	-33.35 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.404098 GHz	5.65 dBm																																									
M2	1		2.4 GHz	-38.75 dBm																																									
M3	1		2.39 GHz	-56.53 dBm																																									
M4	1		2.31 GHz	-58.30 dBm																																									
M5	1		2.39968 GHz	-33.35 dBm																																									
<p>CH78 No hopping mode</p>	 <table border="1" data-bbox="683 1738 1337 1827"> <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>5.11 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-40.06 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-56.88 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.483654 GHz</td> <td>-36.40 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 10.AUG.2021 18:49:23</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.480143 GHz	5.11 dBm			M2	1		2.4835 GHz	-40.06 dBm			M3	1		2.5 GHz	-56.88 dBm			M4	1		2.483654 GHz	-36.40 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.480143 GHz	5.11 dBm																																									
M2	1		2.4835 GHz	-40.06 dBm																																									
M3	1		2.5 GHz	-56.88 dBm																																									
M4	1		2.483654 GHz	-36.40 dBm																																									

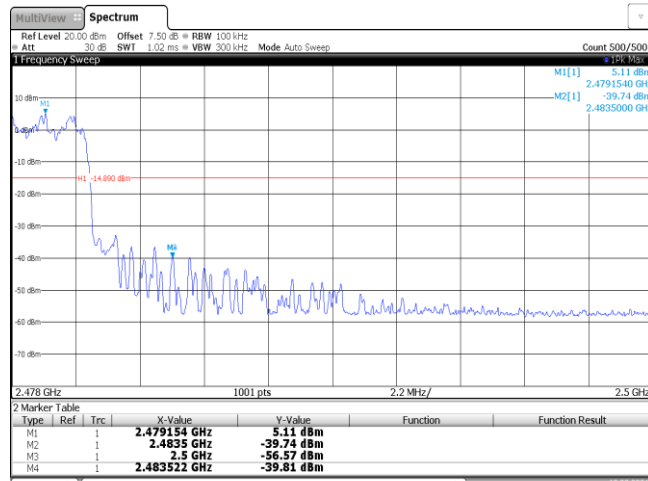
CH78  
Hopping mode



Date:10.20.2021 19:01:24

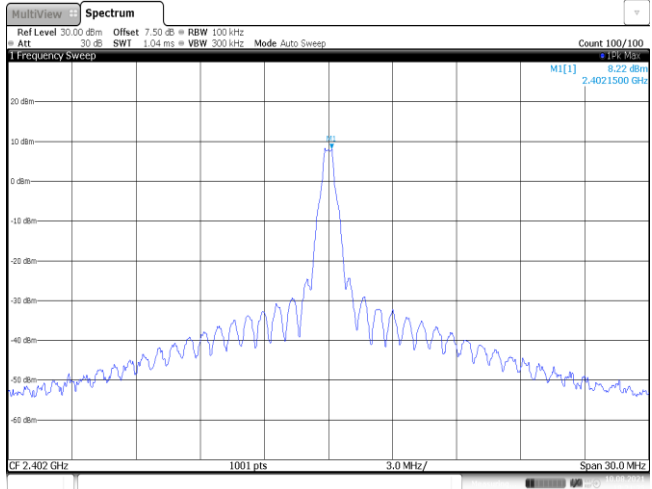
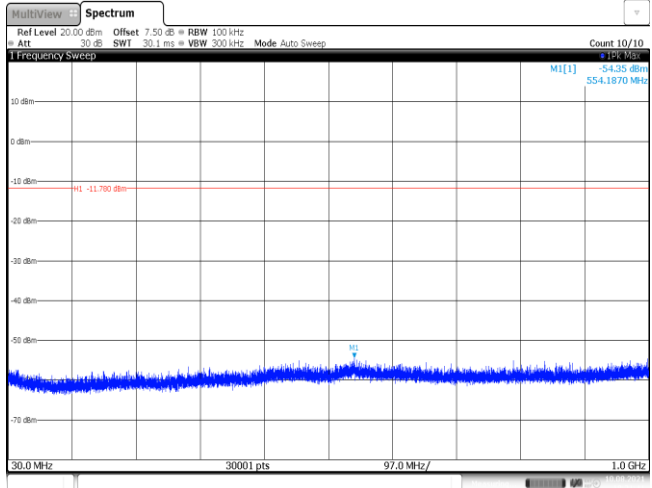
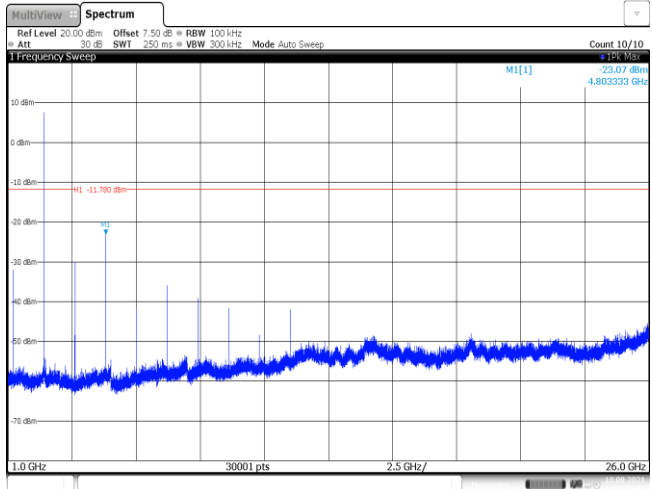
Test Item:	Band edge	Modulation type:	8DPSK																																										
<p>CH00 No hopping mode</p>	 <table border="1" data-bbox="683 638 1337 728"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.402105 GHz</td> <td>5.09 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-35.35 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-53.41 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-57.73 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399585 GHz</td> <td>-35.62 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 10.AUG.2021 19:07:49</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.402105 GHz	5.09 dBm			M2	1		2.4 GHz	-35.35 dBm			M3	1		2.39 GHz	-53.41 dBm			M4	1		2.31 GHz	-57.73 dBm			M5	1		2.399585 GHz	-35.62 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.402105 GHz	5.09 dBm																																									
M2	1		2.4 GHz	-35.35 dBm																																									
M3	1		2.39 GHz	-53.41 dBm																																									
M4	1		2.31 GHz	-57.73 dBm																																									
M5	1		2.399585 GHz	-35.62 dBm																																									
<p>CH00 Hopping mode</p>	 <table border="1" data-bbox="683 1184 1337 1274"> <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>4.88 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-45.76 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-57.59 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-57.98 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399205 GHz</td> <td>-41.16 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 10.AUG.2021 19:26:28</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.401821 GHz	4.88 dBm			M2	1		2.4 GHz	-45.76 dBm			M3	1		2.39 GHz	-57.59 dBm			M4	1		2.31 GHz	-57.98 dBm			M5	1		2.399205 GHz	-41.16 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.401821 GHz	4.88 dBm																																									
M2	1		2.4 GHz	-45.76 dBm																																									
M3	1		2.39 GHz	-57.59 dBm																																									
M4	1		2.31 GHz	-57.98 dBm																																									
M5	1		2.399205 GHz	-41.16 dBm																																									
<p>CH78 No hopping mode</p>	 <table border="1" data-bbox="683 1731 1337 1821"> <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>5.12 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-39.94 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-55.89 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.48372 GHz</td> <td>-36.58 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 10.AUG.2021 19:16:31</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.480165 GHz	5.12 dBm			M2	1		2.4835 GHz	-39.94 dBm			M3	1		2.5 GHz	-55.89 dBm			M4	1		2.48372 GHz	-36.58 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.480165 GHz	5.12 dBm																																									
M2	1		2.4835 GHz	-39.94 dBm																																									
M3	1		2.5 GHz	-55.89 dBm																																									
M4	1		2.48372 GHz	-36.58 dBm																																									

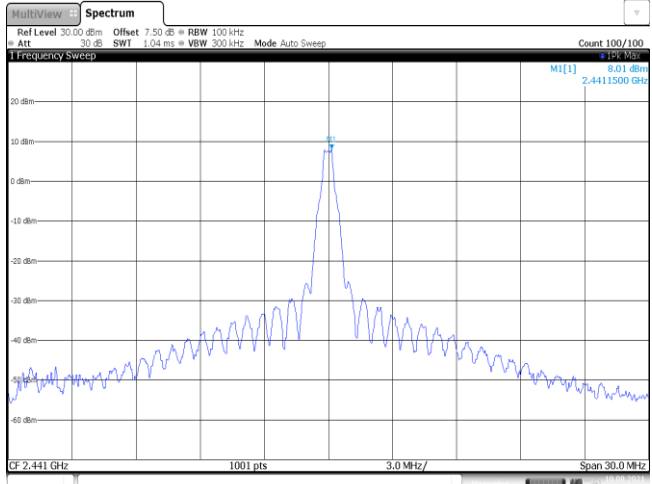
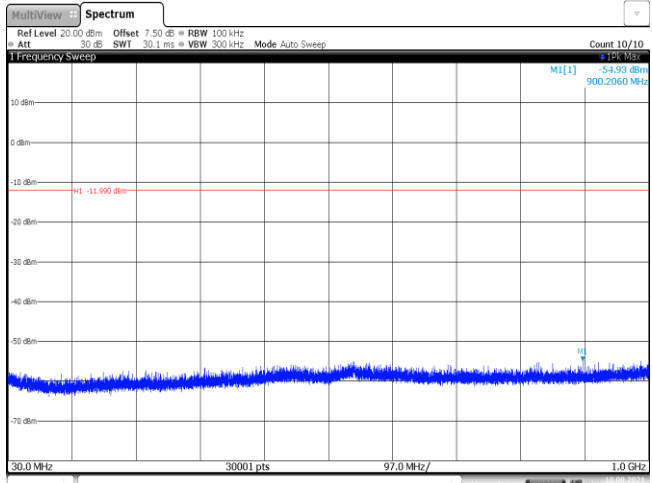
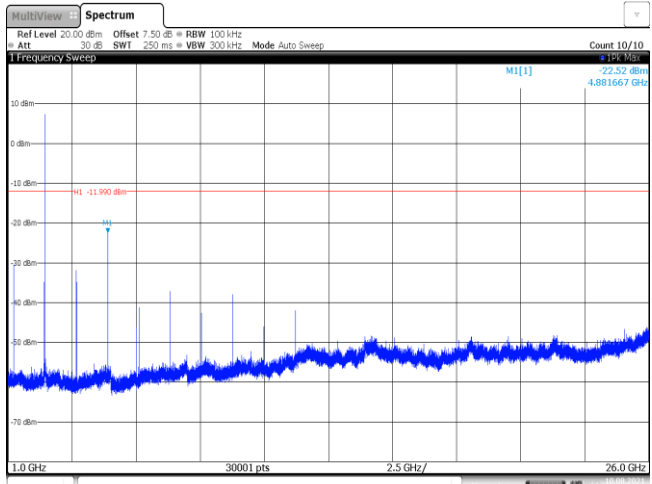
CH78  
Hoppig mode



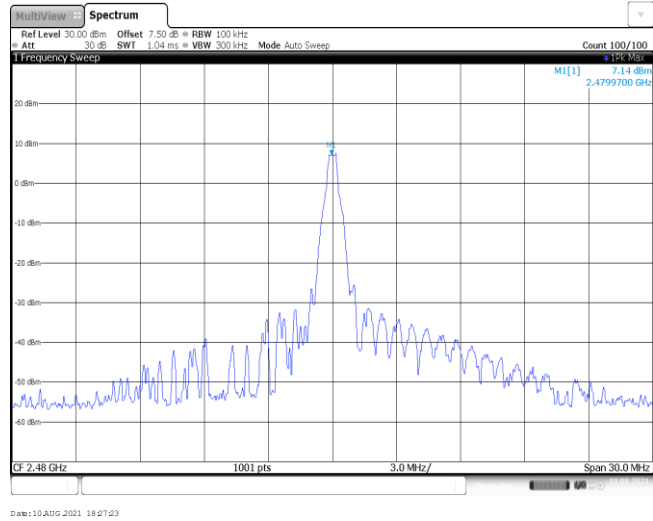
Date: 10.20.2021 19:27:23



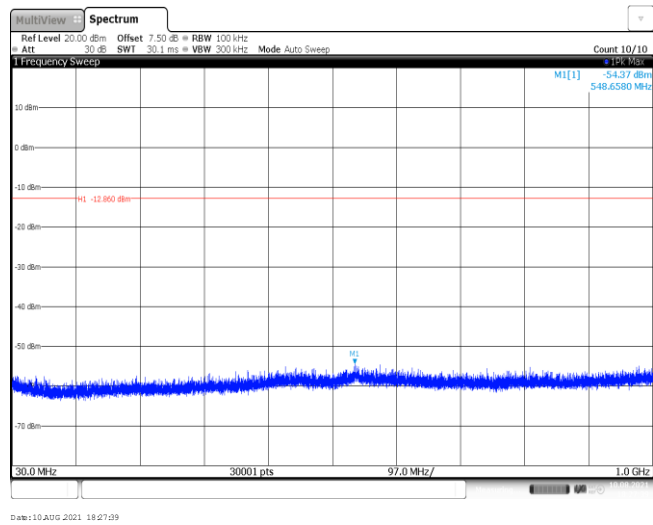
Test Item:	Spurious Emission	Modulation type:	GFSK
<p>CH00 Reference level</p>	 <p>MultiView Spectrum                      Ref Level 30.00 dBm Offset 7.50 dB RBW 100 kHz                      Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep                      Count 100/100                      Frequency Sweep                      MI[1] 8.22 dBm                      2.4021500 GHz                      CF 2.402 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz                      Date: 10.AUG 2021 18:21:25</p>		
<p>CH00 30MHz~1000MHz</p>	 <p>MultiView Spectrum                      Ref Level 20.00 dBm Offset 7.50 dB RBW 100 kHz                      Att 30 dB SWI 30.1 ms VBW 300 kHz Mode Auto Sweep                      Count 10/10                      Frequency Sweep                      MI[1] -54.35 dBm                      554.1870 MHz                      MI -11.700 dBm                      30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz                      Date: 10.AUG 2021 18:21:41</p>		
<p>CH00 1GHz~26GHz</p>	 <p>MultiView Spectrum                      Ref Level 20.00 dBm Offset 7.50 dB RBW 100 kHz                      Att 30 dB SWI 250 ms VBW 300 kHz Mode Auto Sweep                      Count 10/10                      Frequency Sweep                      MI[1] -23.07 dBm                      4.800533 GHz                      MI -11.700 dBm                      1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz                      Date: 10.AUG 2021 18:22:05</p>		

<p>CH39 Reference level</p>	 <p>MultiView Spectrum          Ref Level 30.00 dBm Offset 7.50 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] 8.01 dBm          2.441500 GHz          CF 2.441 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz          Date: 10.AUG.2021 18:24:43</p>
<p>CH39 30MHz~1000MHz</p>	 <p>MultiView Spectrum          Ref Level 20.00 dBm Offset 7.50 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] -54.93 dBm          900.2060 MHz          H1 -11.990 dBm          30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz          Date: 10.AUG.2021 18:24:59</p>
<p>CH39 1GHz~26GHz</p>	 <p>MultiView Spectrum          Ref Level 20.00 dBm Offset 7.50 dB RBW 100 kHz          Att -30 dB SWF 250 ms VBW 300 kHz Mode Auto Sweep          Count 10/10          1 Frequency Sweep          MI[1] -22.52 dBm          4.881667 GHz          H1 -11.990 dBm          1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz          Date: 10.AUG.2021 18:25:16</p>

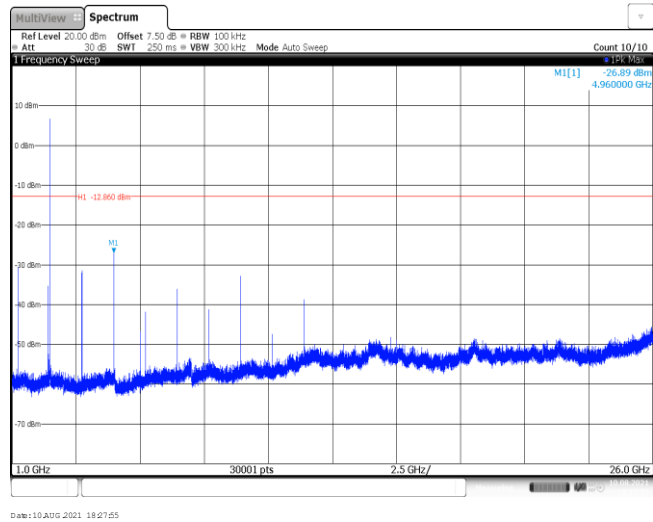
CH78  
Reference level



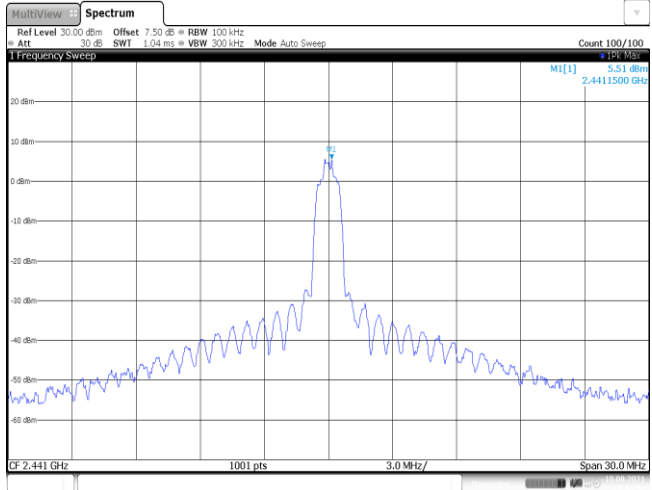
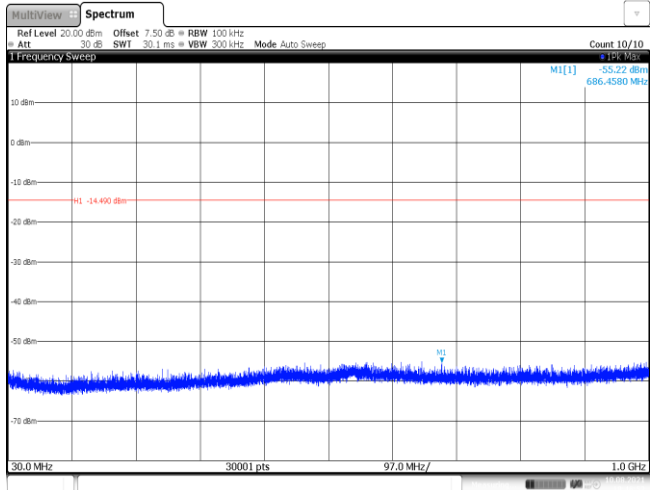
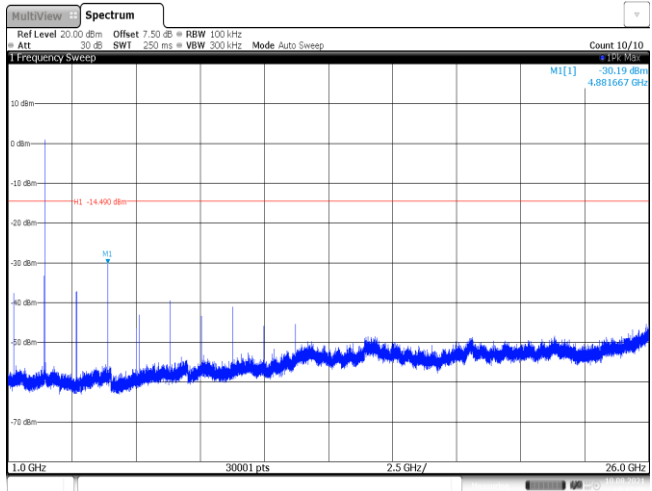
CH78  
30MHz~1000MHz



CH78  
1GHz~26GHz



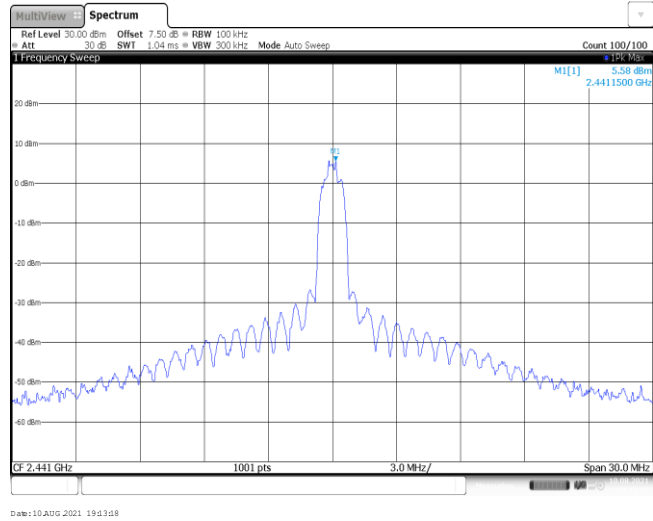
Test Item:	Spurious Emission	Modulation type:	$\pi/4$ DQPSK
<p>CH00 Reference level</p>			
<p>CH00 30MHz~1000MHz</p>			
<p>CH00 1GHz~26GHz</p>			

<p>CH39 Reference level</p>	 <p>Ref Level 30.00 dBm Offset 7.50 dB RBW 100 kHz Att -30 dB SWF 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 MI[1] 5.51 dBm 2.441500 GHz CF 2.441 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 10.AUG.2021 18:46:25</p>
<p>CH39 30MHz~1000MHz</p>	 <p>Ref Level 20.00 dBm Offset 7.50 dB RBW 100 kHz Att -30 dB SWF 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 MI[1] -55.22 dBm 686.4580 MHz MI -14.400 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 10.AUG.2021 18:46:51</p>
<p>CH39 1GHz~26GHz</p>	 <p>Ref Level 20.00 dBm Offset 7.50 dB RBW 100 kHz Att -30 dB SWF 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 MI[1] -30.19 dBm 4.881667 GHz MI -14.400 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 10.AUG.2021 18:47:28</p>

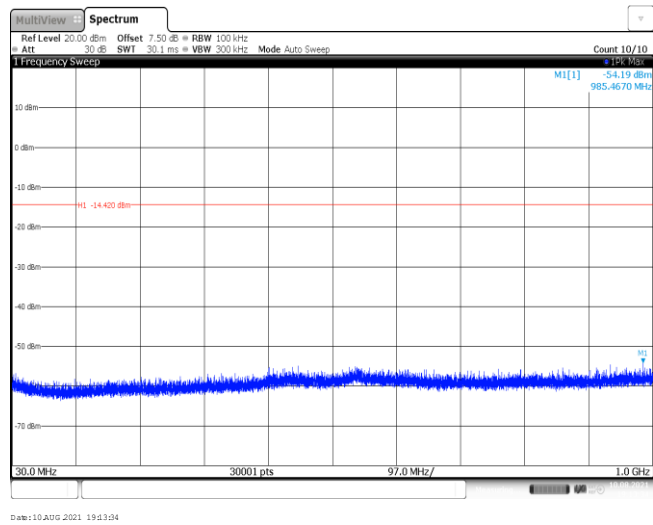
<p>CH78 Reference level</p>	<p>Ref Level 30.00 dBm Offset 7.50 dB RBW 100 kHz Att -30 dB SWF 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1[1] 4.54 dBm 2.4801500 GHz CF 2.48 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 10.AUG.2021 18:49:53</p>
<p>CH78 30MHz~1000MHz</p>	<p>Ref Level 20.00 dBm Offset 7.50 dB RBW 100 kHz Att -30 dB SWF 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1 Frequency Sweep M1[1] -54.63 dBm 595.4750 MHz M1 -15.460 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 10.AUG.2021 18:50:29</p>
<p>CH78 1GHz~26GHz</p>	<p>Ref Level 20.00 dBm Offset 7.50 dB RBW 100 kHz Att -30 dB SWF 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1 Frequency Sweep M1[1] -31.99 dBm 4.960000 GHz M1 -15.460 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 10.AUG.2021 18:50:26</p>

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

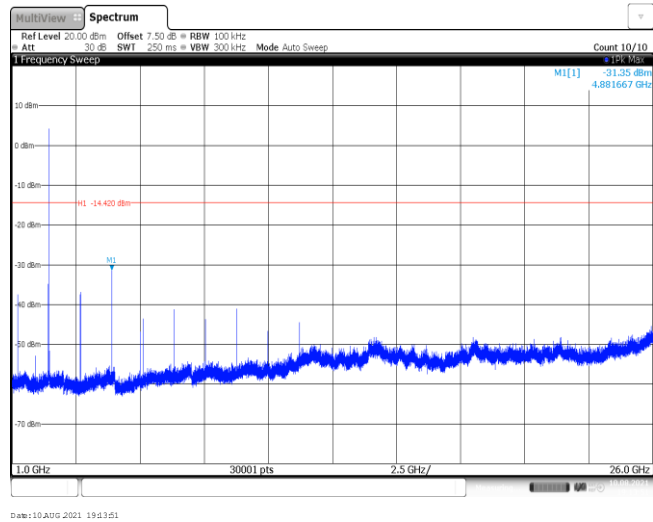
CH39  
Reference level



CH39  
30MHz~1000MHz

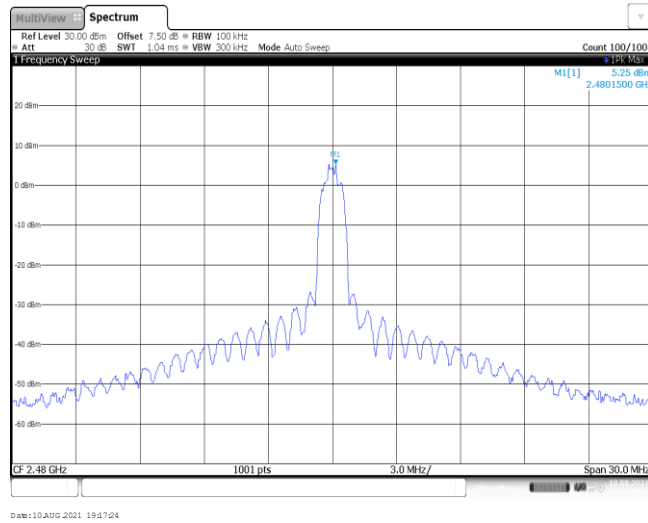


CH39  
1GHz~26GHz

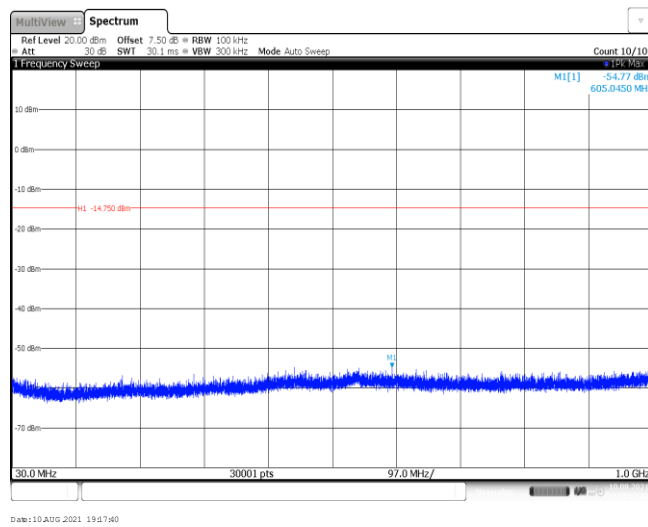




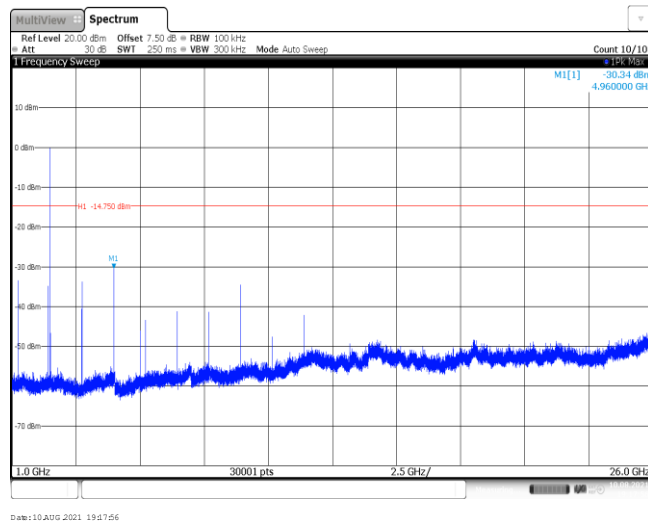
CH78  
Reference level



CH78  
30MHz~1000MHz



CH78  
1GHz~26GHz



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