

# APPENDIX REPORT

Project No.	SHT2009103701EW	Radio Specification	Bluetooth EDR
Test sample No.	YPHT20091037018	Model No.	M5+
Start test date	2020/11/9	Finish date	2020/11/9
Temperature	25°C	Humidity	50%
Test Engineer	Jiongsheng Feng	Auditor	Xiaodong Zheo

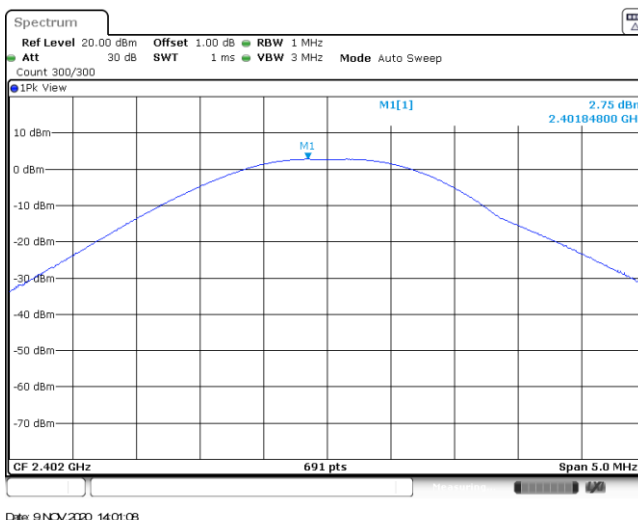
Appendix clause	Test item	Result
A	Peak Output Power	PASS
B	20 dB Bandwidth	PASS
C	99% Occupied Bandwidth	PASS
D	Carrier Frequencies Separation	PASS
E	Hopping Channel Number	PASS
F	Dwell Time	PASS
G	Duty Cycle Correction Factor (DCCF)	PASS
H	Band edge and Spurious Emissions(coducted)	PASS

**Appendix A: Peak Output Power**

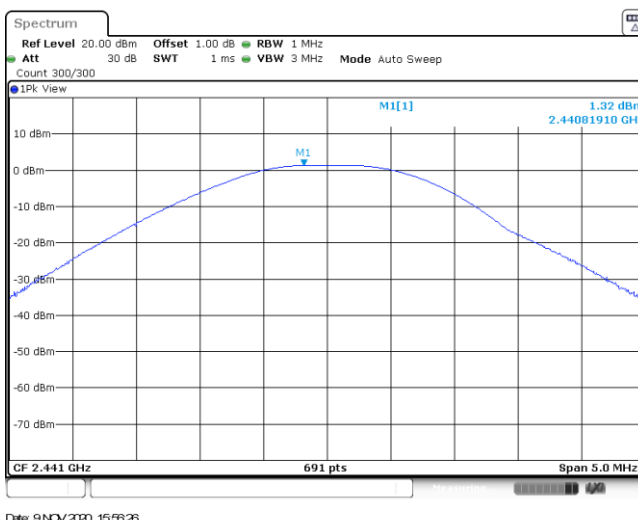
Modulation type	Channel	Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
GFSK	00	2.75	2.74	≤ 30.00	Pass
	39	1.32	1.31		
	78	-0.12	-0.14		
π/4DQPSK	00	2.88	1.63	≤ 21.00	Pass
	39	1.57	-0.04		
	78	0.03	-1.37		
8DPSK	00	3.09	1.73	≤ 21.00	Pass
	39	1.81	-0.03		
	78	0.33	-1.22		

**Modulation Type:** GFSK

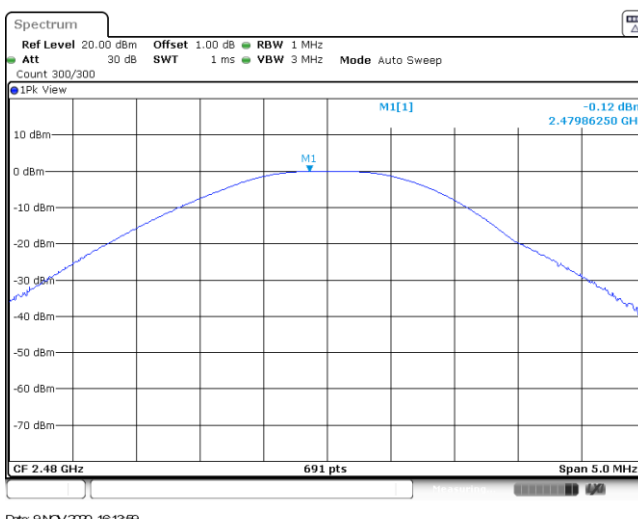
CH00



CH39

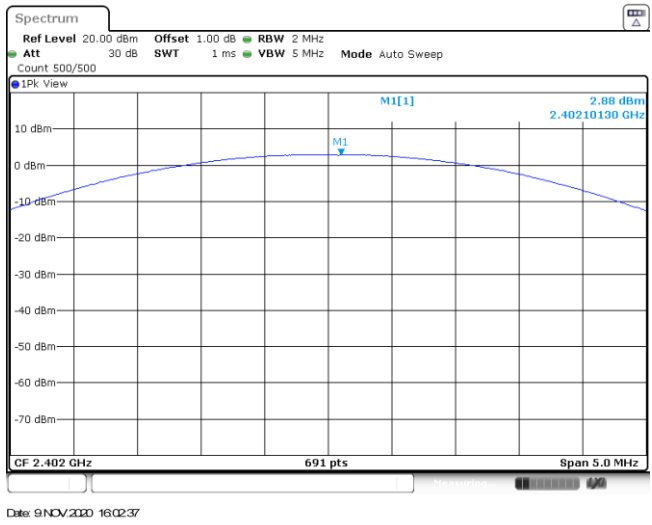


CH78

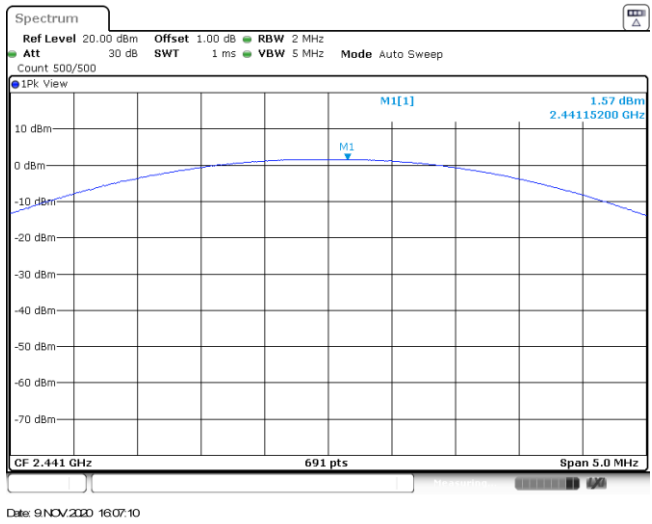


**Modulation Type:**  $\pi/4$ DQPSK

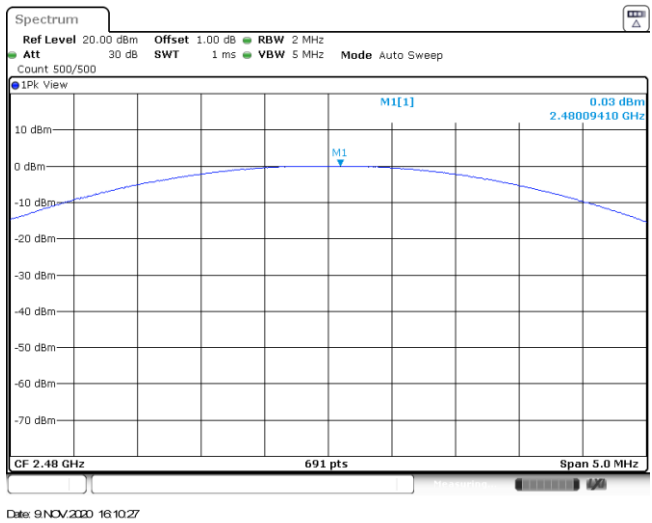
CH00



CH39

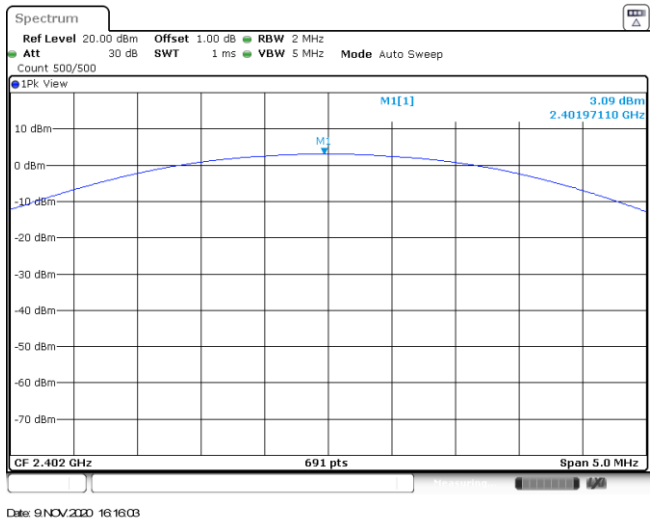


CH78

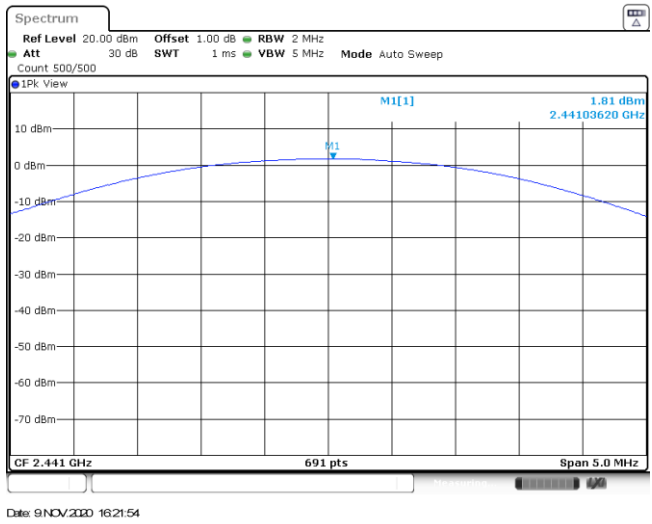


**Modulation Type: 8DPSK**

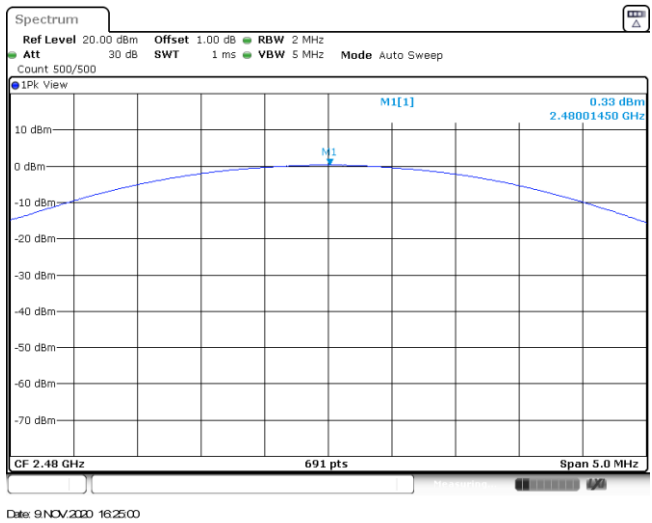
CH00



CH39



CH78

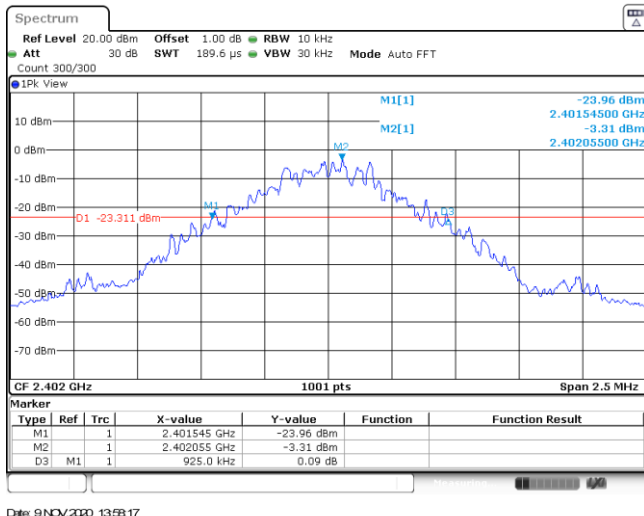


**Appendix B : 20 dB Bandwidth**

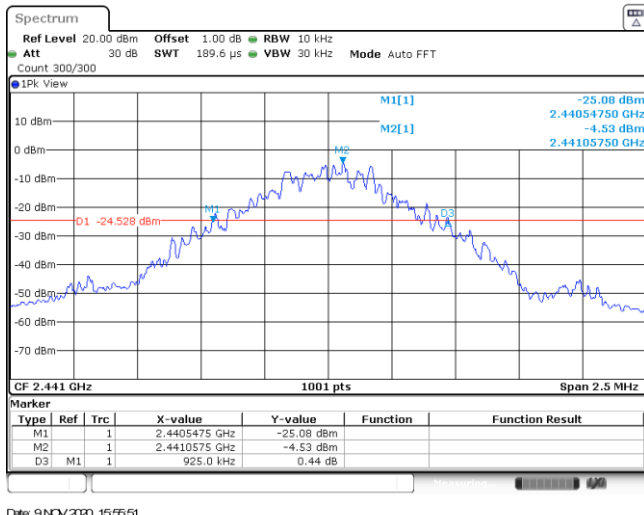
Modulation type	Channel	20 dB Bandwidth (kHz)	Limit (kHz)	Result
GFSK	00	925.00	-	Pass
	39	925.00		
	78	925.00		
$\pi/4$ DQPSK	00	1287.50	-	Pass
	39	1290.00		
	78	1290.00		
8DPSK	00	1297.50	-	Pass
	39	1297.50		
	78	1297.50		

**Modulation Type: GFSK**

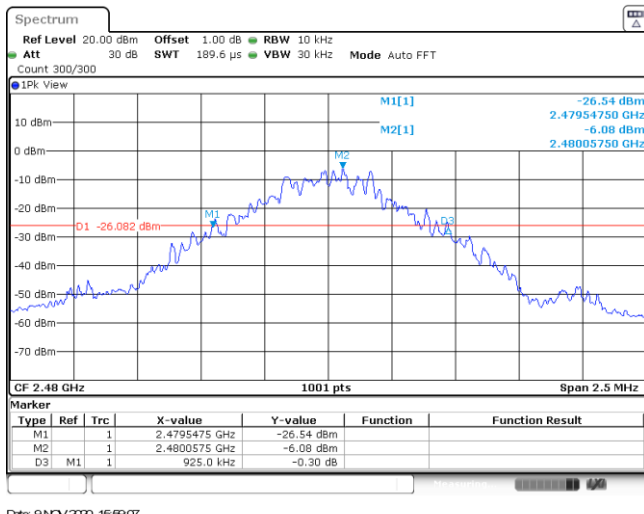
CH00



CH39

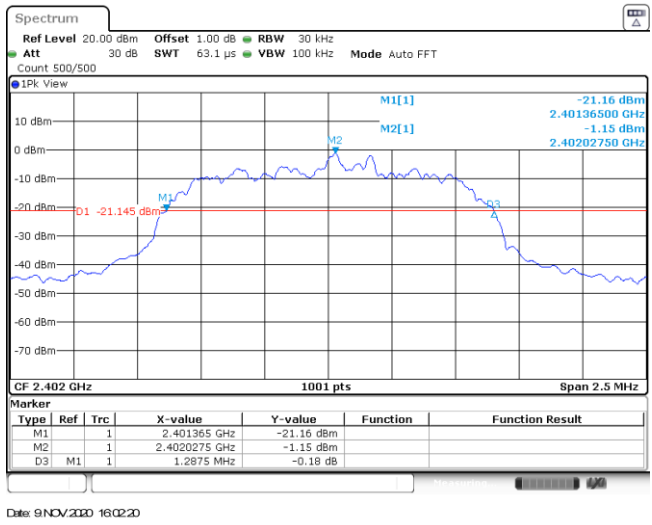


CH78



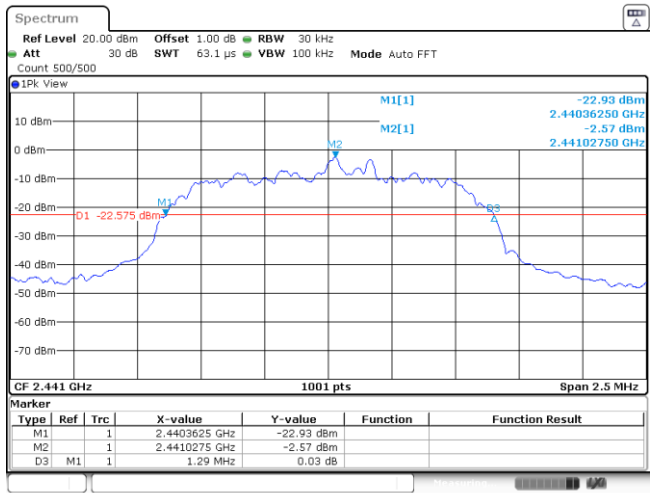
**Modulation Type:**  $\pi/4$ DQPSK

CH00



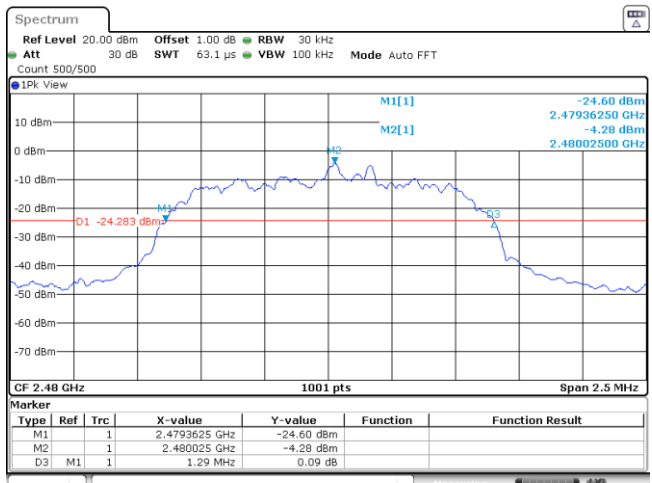
Date: 9 NOV 2020 16:02:20

CH39



Date: 9 NOV 2020 16:03:53

CH78

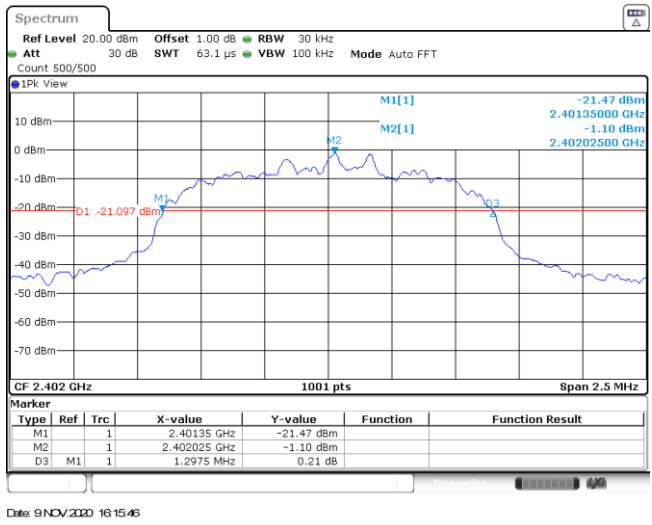


Date: 9 NOV 2020 16:10:10

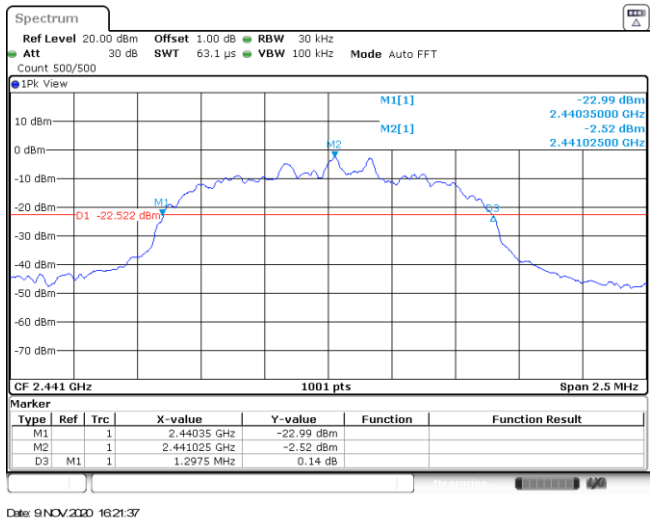


**Modulation Type: 8DPSK**

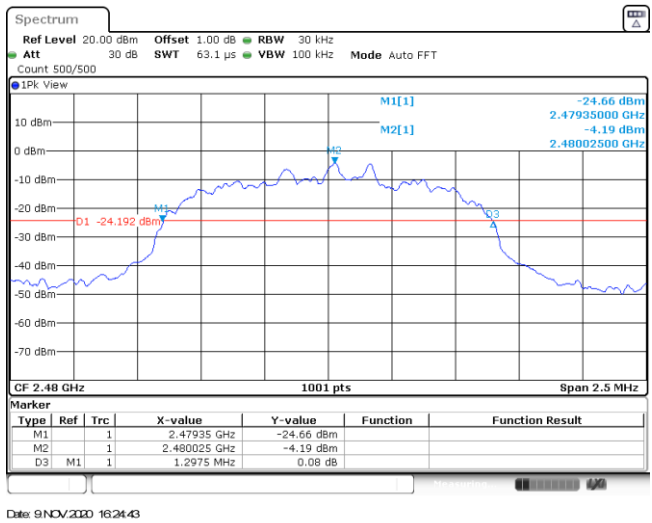
CH00



CH39



CH78



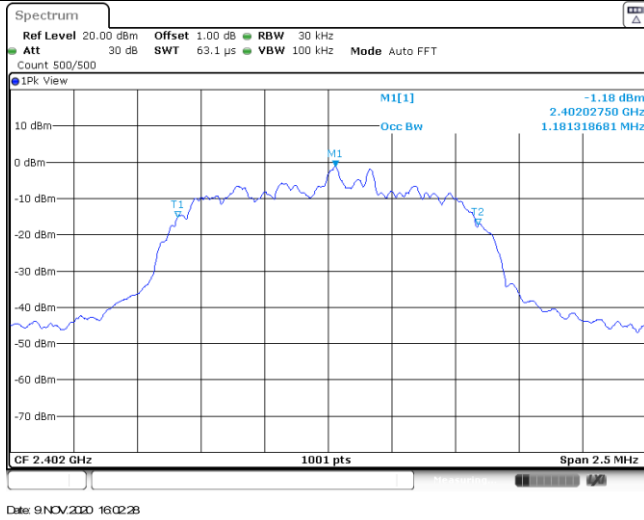
**Appendix C: 99% Occupied Bandwidth**

Modulation type	Channel	99% Occupied Bandwidth (MHz)	Limit (MHz)	Result
GFSK	00	0.85	-	Pass
	39	0.86		
	78	0.86		
$\pi/4$ DQPSK	00	1.18	-	Pass
	39	1.18		
	78	1.18		
8DPSK	00	1.18	-	Pass
	39	1.18		
	78	1.18		

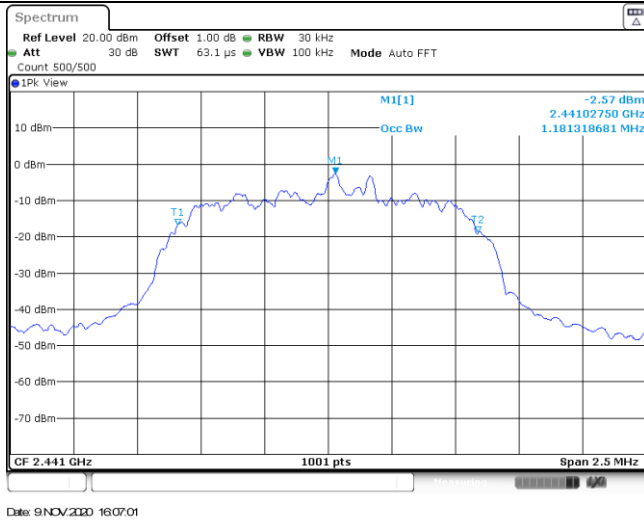
Modulation Type:		GFSK
CH00	<p>                     Spectrum                      Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz                      Att 30 dB SWT 63.1 μs VBW 100 kHz Mode Auto FFT                      Count 300/300                      1Pk View                      M1[1] 1.04 dBm                      2.40183270 GHz                      Occ Bw 854.145854146 kHz                      CF 2.402 GHz 1001 pts Span 2.5 MHz                      Date: 9 NOV 2020 13:58:25                 </p>	
CH39	<p>                     Spectrum                      Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz                      Att 30 dB SWT 63.1 μs VBW 100 kHz Mode Auto FFT                      Count 300/300                      1Pk View                      M1[1] -0.58 dBm                      2.44083520 GHz                      Occ Bw 859.140859141 kHz                      CF 2.441 GHz 1001 pts Span 2.5 MHz                      Date: 9 NOV 2020 15:55:59                 </p>	
CH78	<p>                     Spectrum                      Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz                      Att 30 dB SWT 63.1 μs VBW 100 kHz Mode Auto FFT                      Count 300/300                      1Pk View                      M1[1] -1.82 dBm                      2.47983520 GHz                      Occ Bw 861.638361639 kHz                      CF 2.48 GHz 1001 pts Span 2.5 MHz                      Date: 9 NOV 2020 15:59:15                 </p>	

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

CH00



CH39



CH78



Modulation Type:		8DPSK
CH00	<p>CF 2.402 GHz 1001 pts Span 2.5 MHz</p> <p>Date: 9 NOV 2020 16:15:54</p>	
CH39	<p>CF 2.441 GHz 1001 pts Span 2.5 MHz</p> <p>Date: 9 NOV 2020 16:21:45</p>	
CH78	<p>CF 2.48 GHz 1001 pts Span 2.5 MHz</p> <p>Date: 9 NOV 2020 16:24:51</p>	

**Appendix D: Carrier Frequencies Separation**

Modulation type	Channel	Carrier Frequencies Separation (MHz)	Limit (kHz) *	Result
GFSK	39	1.00	≥925.00	Pass
$\pi/4$ DQPSK	39	1.00	≥860.00	Pass
8DPSK	39	1.00	≥865.00	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.

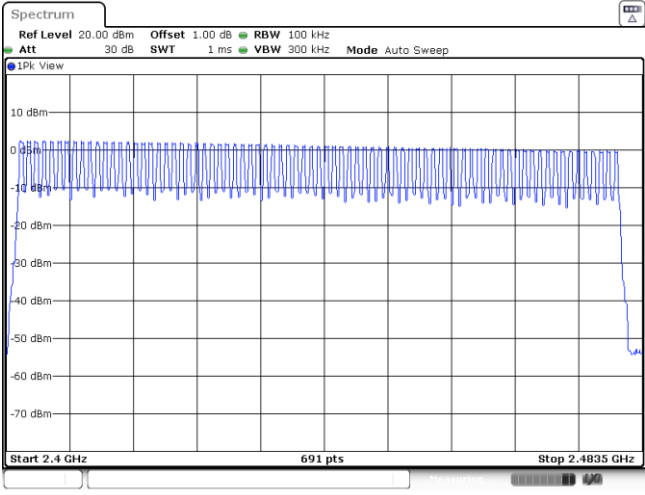
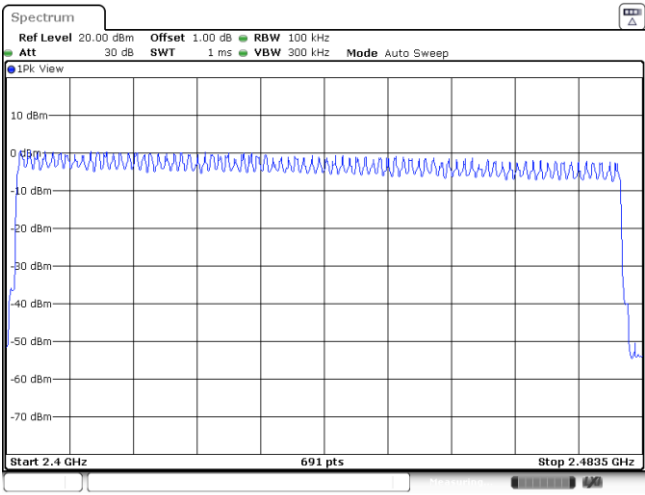
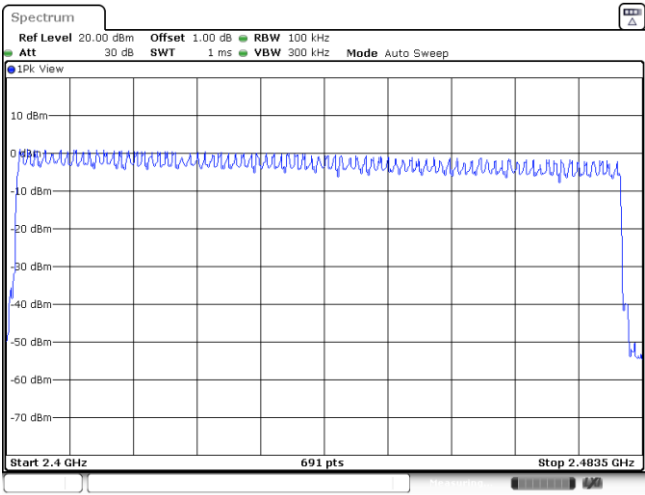
8DPSK limit =  $2/3$  \* The maximum 20 dB Bandwidth for 8DPSK modulation on the appendix B

<p style="text-align: center;">GFSK</p>	<p style="text-align: center;">Date: 9 NOV 2020 14:08:58</p>
<p style="text-align: center;"><math>\pi/4</math>DQPSK</p>	<p style="text-align: center;">Date: 9 NOV 2020 16:05:09</p>
<p style="text-align: center;">8DPSK</p>	<p style="text-align: center;">Date: 9 NOV 2020 16:21:00</p>

**Appendix E: Hopping Channel Number**

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



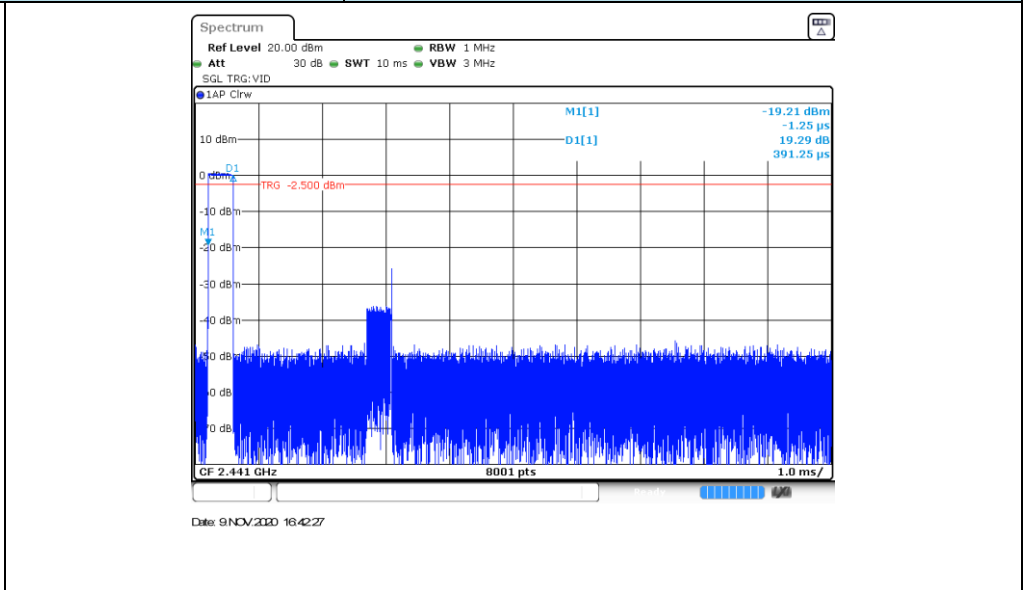
<p>GFSK</p>	 <p>Date: 9 NOV 2020 16:29:37</p>
<p><math>\pi/4</math>DQPSK</p>	 <p>Date: 9 NOV 2020 16:34:45</p>
<p>8DPSK</p>	 <p>Date: 9 NOV 2020 16:38:59</p>

**Appendix F: Dwell Time**

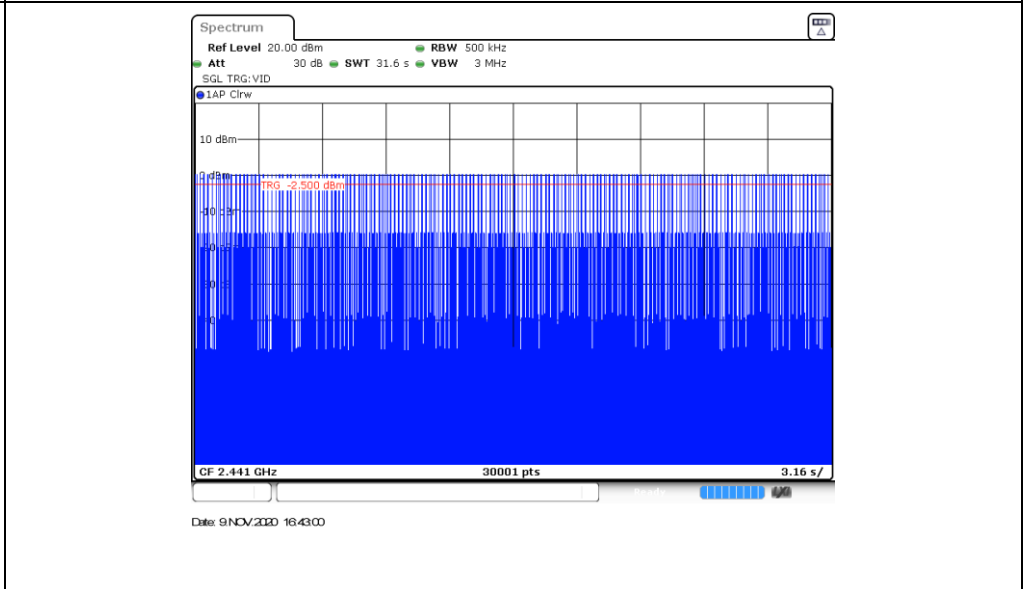
Modulation type	Packet	Burst Width [ms]	Total Hops[hop*ch]	Dwell time (Second)	Limit (Second)	Result
GFSK	DH1	0.39	317.00	0.12	≤ 0.40	Pass
	DH3	1.65	155.00	0.26		
	DH5	2.90	102.00	0.30		
π/4DQPSK	2DH1	0.38	320.00	0.12	≤ 0.40	Pass
	2DH3	1.64	158.00	0.26		
	2DH5	2.88	104.00	0.30		
8DPSK	3DH1	0.38	319.00	0.12	≤ 0.40	Pass
	3DH3	1.63	158.00	0.26		
	3DH5	2.88	113.00	0.33		

**Modulation Type: GFSK**

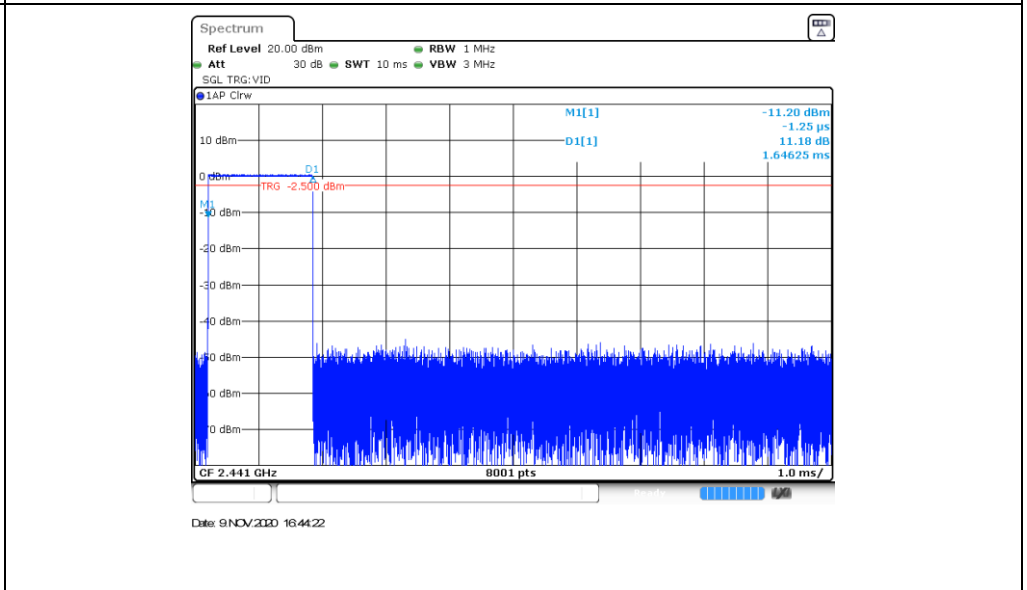
DH1  
Burst width

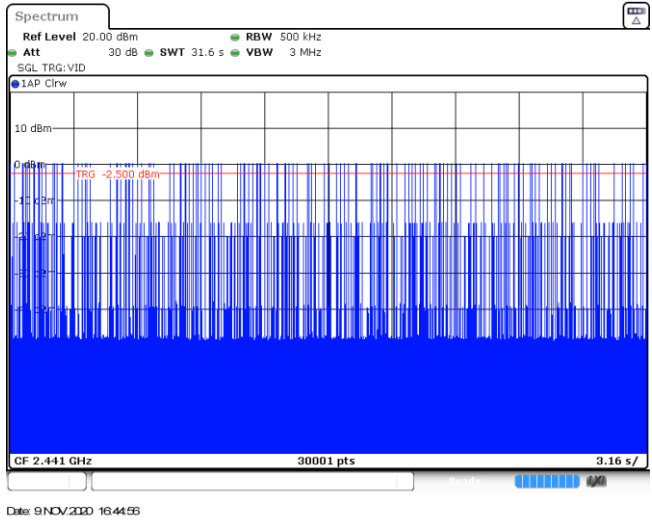
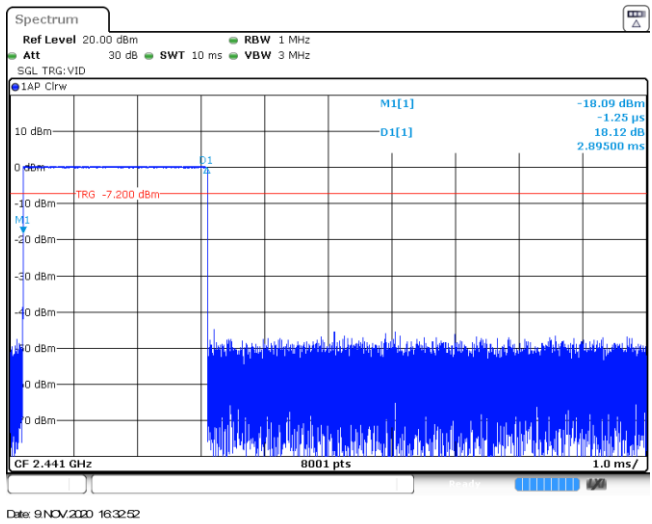
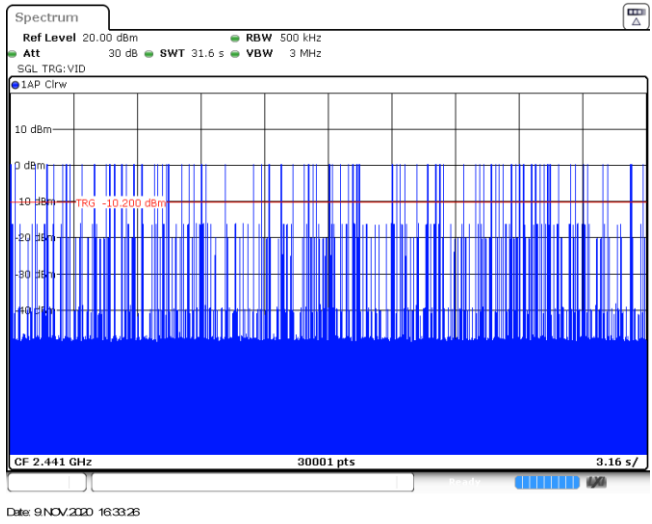


DH1  
Burst number



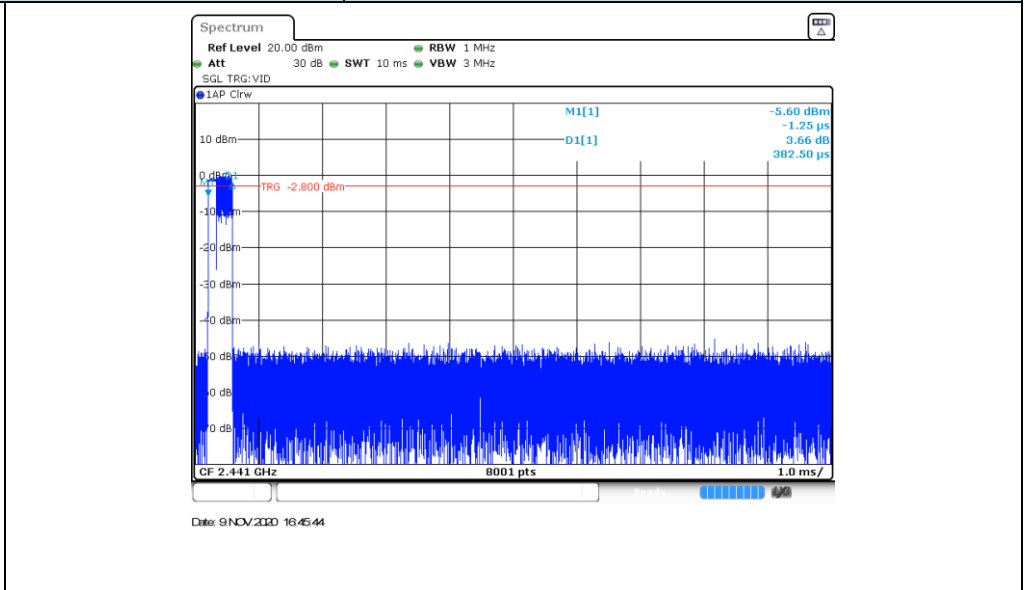
DH3  
Burst width



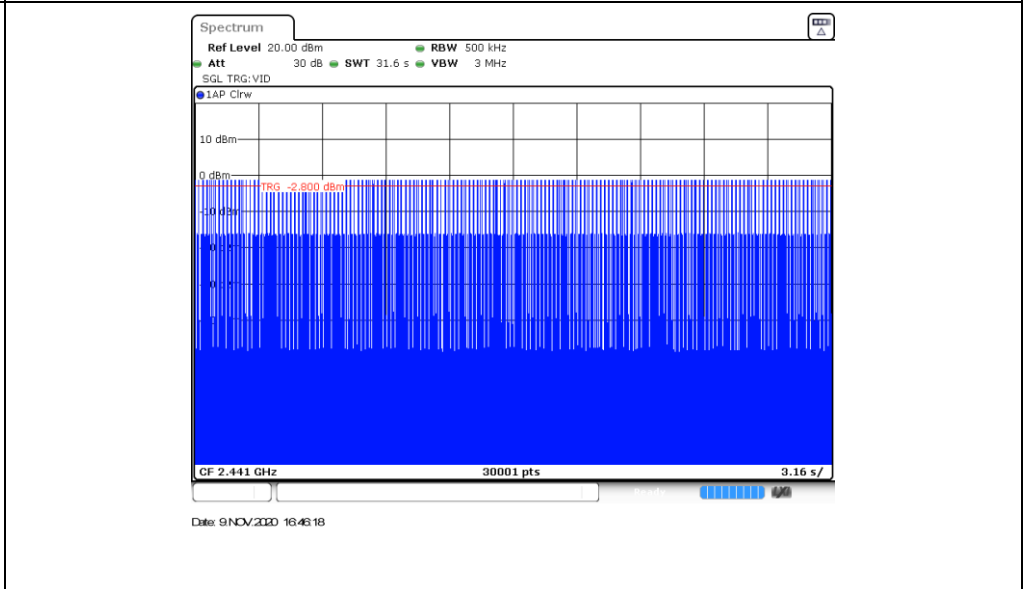
<p>DH3 Burst number</p>	 <p>The plot shows a spectrum with a red trigger line at -2.500 dBm. The y-axis ranges from -40 dBm to 10 dBm. The x-axis shows a center frequency of 2.441 GHz and a duration of 3.16 s. Parameters include Ref Level 20.00 dBm, Att 30 dB, RBW 500 kHz, and VBW 3 MHz. The date is 9 NOV 2020 16:44:55.</p>
<p>DH5 Burst width</p>	 <p>The plot shows a spectrum with a red trigger line at -7.200 dBm. The y-axis ranges from -40 dBm to 10 dBm. The x-axis shows a center frequency of 2.441 GHz and a duration of 1.0 ms. Parameters include Ref Level 20.00 dBm, Att 30 dB, RBW 1 MHz, and VBW 3 MHz. Measurements for M1[1] and D1[1] are shown: M1[1] at -18.09 dBm, -1.25 μs; D1[1] at 18.12 dB, 2.89500 ms. The date is 9 NOV 2020 16:32:52.</p>
<p>DH5 Burst number</p>	 <p>The plot shows a spectrum with a red trigger line at -10.200 dBm. The y-axis ranges from -40 dBm to 10 dBm. The x-axis shows a center frequency of 2.441 GHz and a duration of 3.16 s. Parameters include Ref Level 20.00 dBm, Att 30 dB, RBW 500 kHz, and VBW 3 MHz. The date is 9 NOV 2020 16:33:25.</p>

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

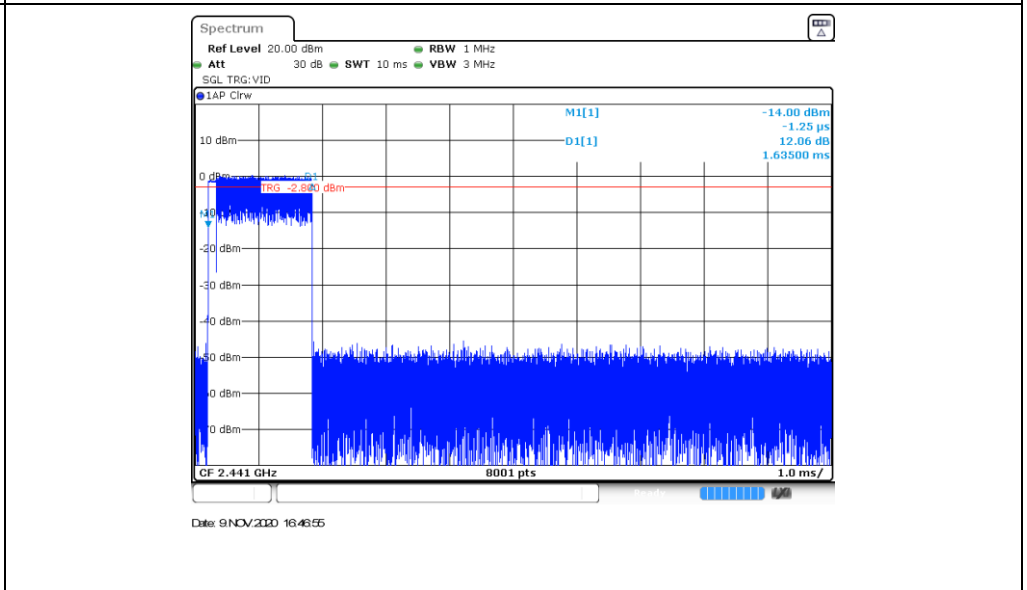
2DH1  
Burst width



2DH1  
Burst number



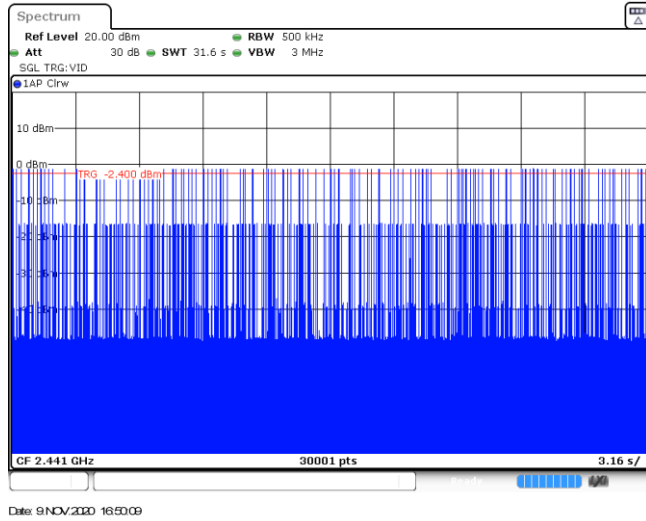
2DH3  
Burst width



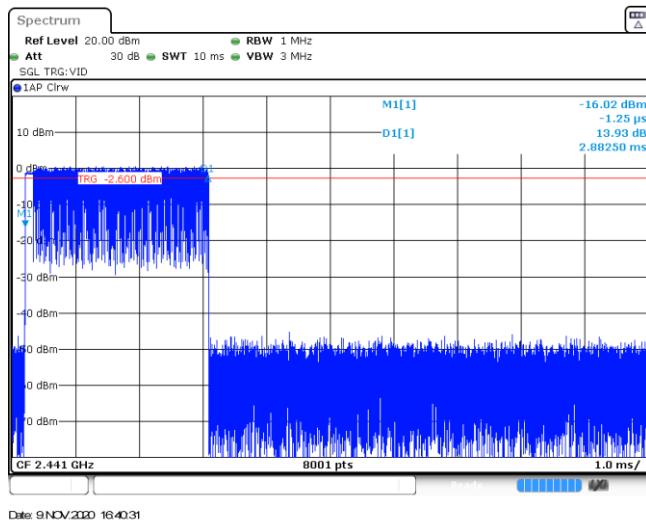
<p>2DH3 Burst number</p>	
<p>2DH5 Burst width</p>	
<p>2DH5 Burst number</p>	

Modulation Type: 8DPSK	
3DH1 Burst width	<p>Spectrum                  Ref Level 20.00 dBm RBW 1 MHz                  Att 30 dB SWT 10 ms VBW 3 MHz                  SGL TRG:VID                  1AP Cirw                  M1[1] -19.59 dBm                  D1[1] 11.67 dB                  TRG -2.300 dBm                  CF 2.441 GHz 8001 pts 1.0 ms/                  Date: 9 NOV 200 16:48:17</p>
3DH1 Burst number	<p>Spectrum                  Ref Level 20.00 dBm RBW 500 kHz                  Att 30 dB SWT 31.6 s VBW 3 MHz                  SGL TRG:VID                  1AP Cirw                  TRG -2.300 dBm                  CF 2.441 GHz 30001 pts 3.16 s/                  Date: 9 NOV 200 16:48:51</p>
3DH3 Burst width	<p>Spectrum                  Ref Level 20.00 dBm RBW 1 MHz                  Att 30 dB SWT 10 ms VBW 3 MHz                  SGL TRG:VID                  1AP Cirw                  M1[1] -5.34 dBm                  D1[1] 3.46 dB                  TRG -2.400 dBm                  CF 2.441 GHz 8001 pts 1.0 ms/                  Date: 9 NOV 200 16:49:36</p>

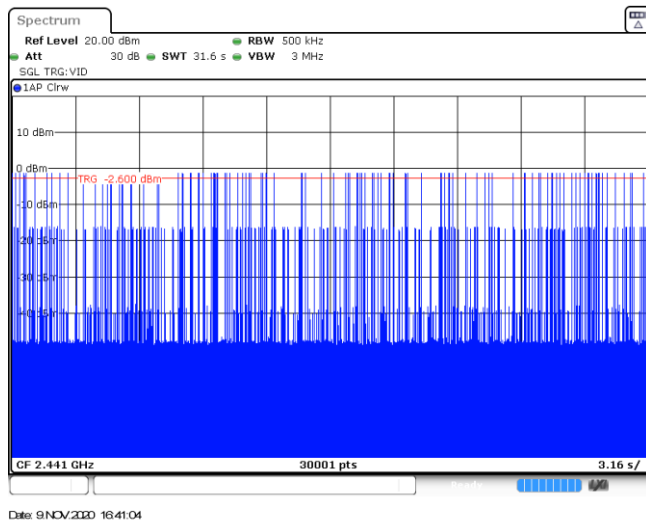
3DH3  
Burst number



3DH5  
Burst width



3DH5  
Burst number

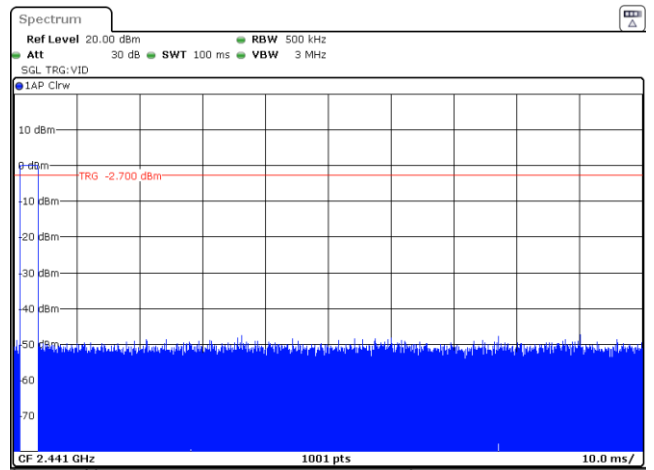
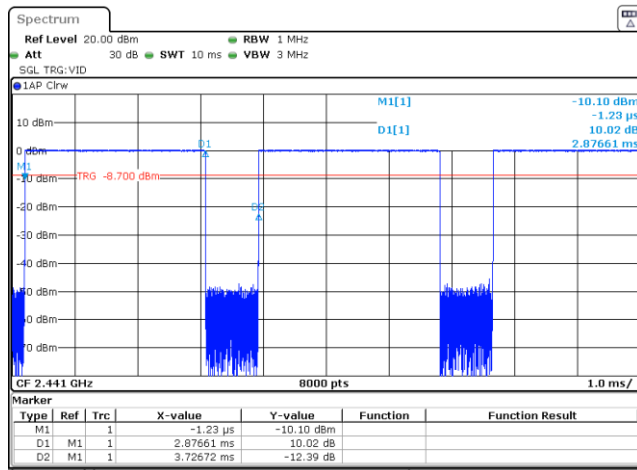




**Appendix G: Duty Cycle Correction Factor (DCCF)**

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	1.00	-30.81
$\pi/4$ DQPSK	2441	2.87	100	1.00	-30.84
8DPSK	2441	2.86	100	1.00	-30.87

GFSK



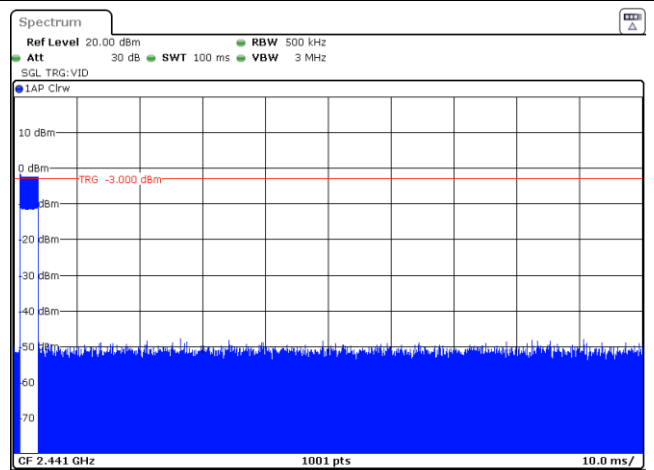
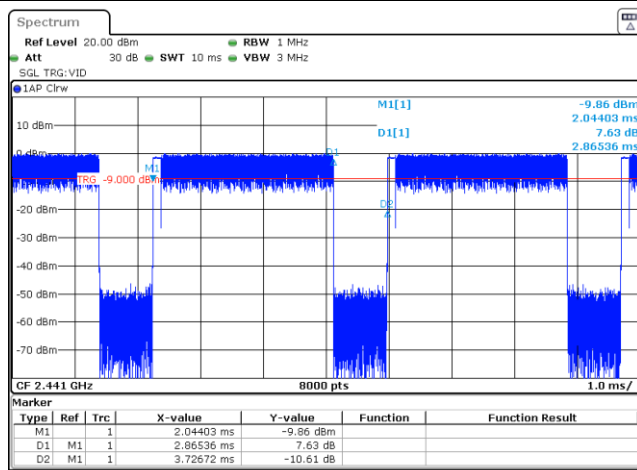
Date: 9 NOV 2020 15:58:39

Date: 9 NOV 2020 15:57:11

T<sub>on</sub> time for single burst

Burst Quantity

$\pi/4$  DQPSK



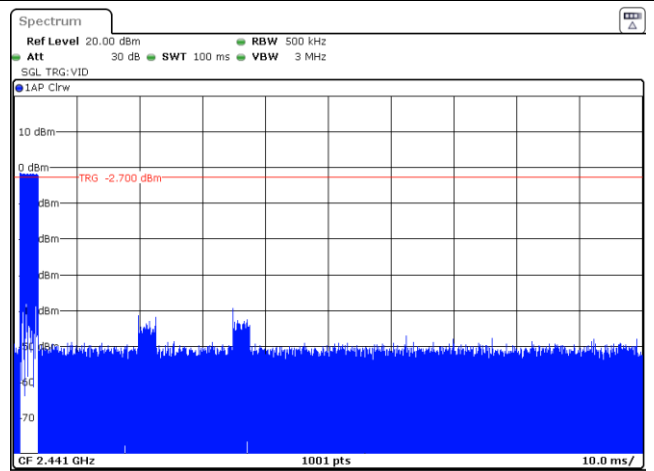
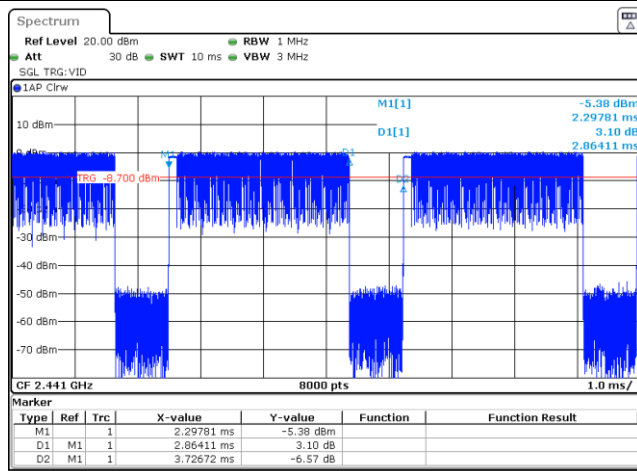
Date: 9 NOV 2020 16:08:00

Date: 9 NOV 2020 16:08:20

T<sub>on</sub> time for single burst

Burst Quantity

8DPSK



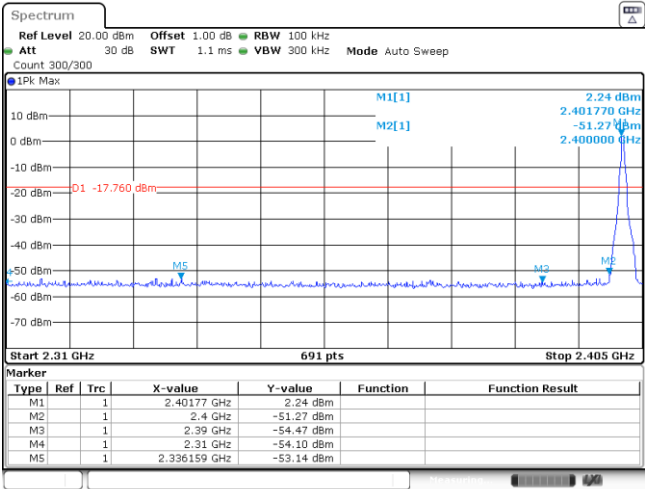
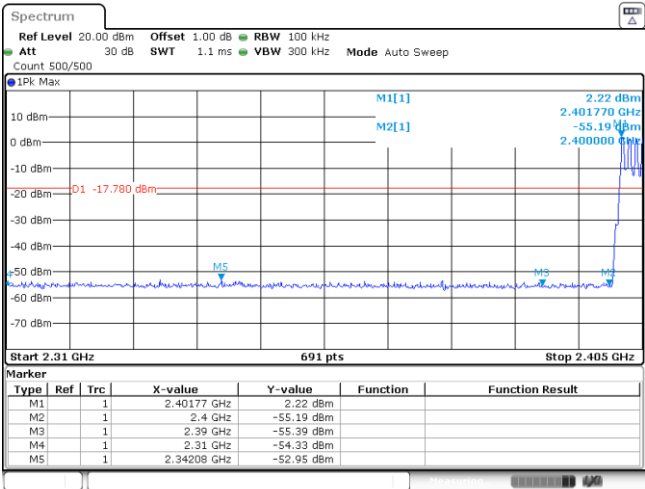
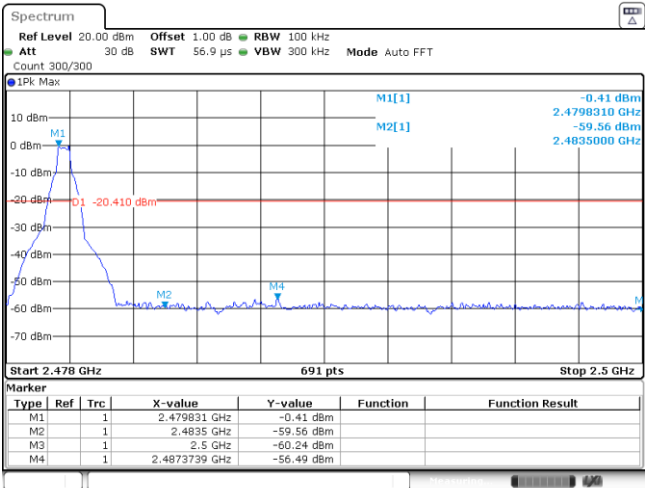
Date: 9 NOV 2020 16:22:20

Date: 9 NOV 2020 16:22:39

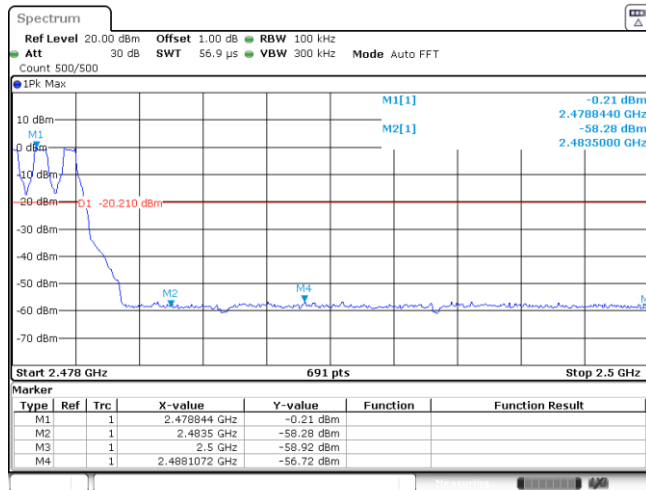
T<sub>on</sub> time for single burst

Burst Quantity

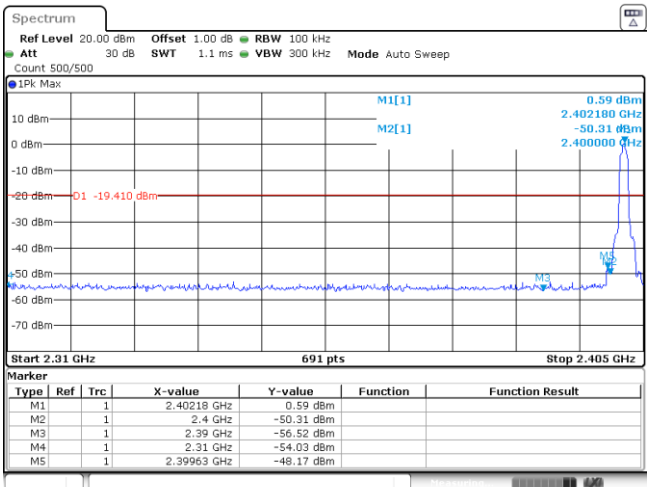
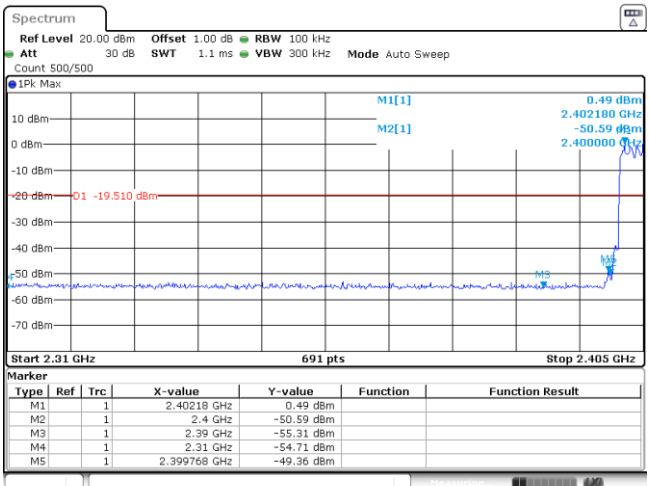
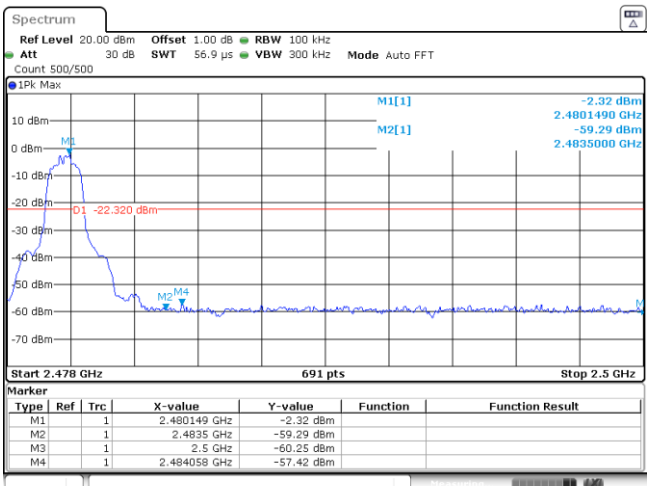
Appendix H: Band edge and Spurious Emissions (conducted)

Test Item:	Band edge	Modulation type:	GFSK																																										
<p>CH00 No hopping mode</p>	 <table border="1"> <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>1</td> <td>2.40177 GHz</td> <td>2.24 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td>1</td> <td>2.4 GHz</td> <td>-51.27 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td>1</td> <td>2.39 GHz</td> <td>-54.47 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td>1</td> <td>2.31 GHz</td> <td>-54.10 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td>1</td> <td>2.336159 GHz</td> <td>-53.14 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 9 NOV 2020 13:58:48</p>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1	1	2.40177 GHz	2.24 dBm			M2	1	1	2.4 GHz	-51.27 dBm			M3	1	1	2.39 GHz	-54.47 dBm			M4	1	1	2.31 GHz	-54.10 dBm			M5	1	1	2.336159 GHz	-53.14 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1	1	2.40177 GHz	2.24 dBm																																									
M2	1	1	2.4 GHz	-51.27 dBm																																									
M3	1	1	2.39 GHz	-54.47 dBm																																									
M4	1	1	2.31 GHz	-54.10 dBm																																									
M5	1	1	2.336159 GHz	-53.14 dBm																																									
<p>CH00 Hopping mode</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>1</td> <td>2.40177 GHz</td> <td>2.22 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td>1</td> <td>2.4 GHz</td> <td>-55.19 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td>1</td> <td>2.39 GHz</td> <td>-55.39 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td>1</td> <td>2.31 GHz</td> <td>-54.33 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td>1</td> <td>2.34208 GHz</td> <td>-52.95 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 9 NOV 2020 16:29:51</p>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1	1	2.40177 GHz	2.22 dBm			M2	1	1	2.4 GHz	-55.19 dBm			M3	1	1	2.39 GHz	-55.39 dBm			M4	1	1	2.31 GHz	-54.33 dBm			M5	1	1	2.34208 GHz	-52.95 dBm		
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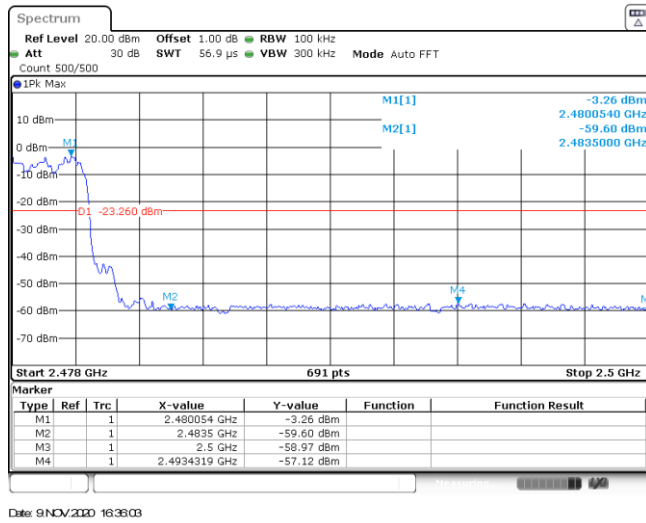
CH78  
Hopping mode

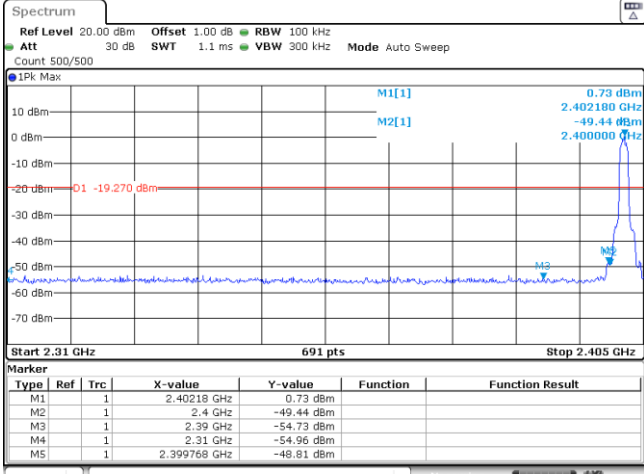
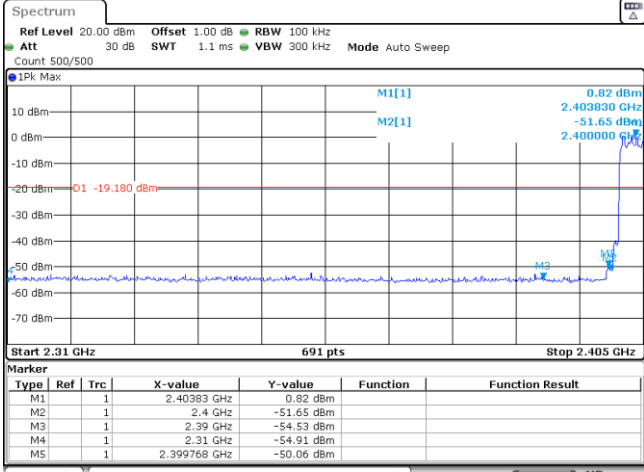
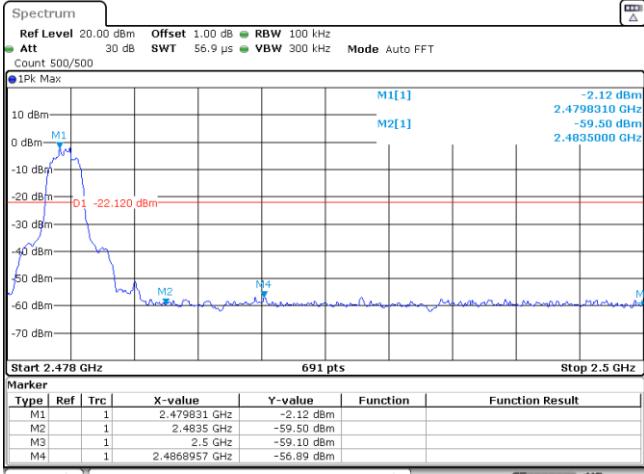


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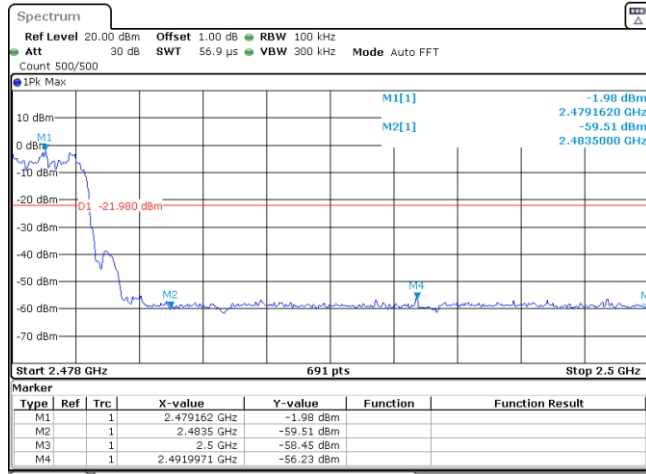
Test Item:	Band edge	Modulation type:	π/4DQPSK																																										
<p>CH00 No hopping mode</p>	 <p><b>Spectrum</b>                  Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz                  Att 30 dB SWT 1.1 ms VBW 300 kHz Mode Auto Sweep                  Count 500/500                  1Pk Max                  Start 2.31 GHz 691 pts Stop 2.405 GHz</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>2.40218 GHz</td> <td>0.59 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-50.31 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-56.52 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-54.03 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.39963 GHz</td> <td>-48.17 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 9 NOV 2020 16:03:27</p>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.40218 GHz	0.59 dBm			M2	1		2.4 GHz	-50.31 dBm			M3	1		2.39 GHz	-56.52 dBm			M4	1		2.31 GHz	-54.03 dBm			M5	1		2.39963 GHz	-48.17 dBm		
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CH78  
Hopping mode



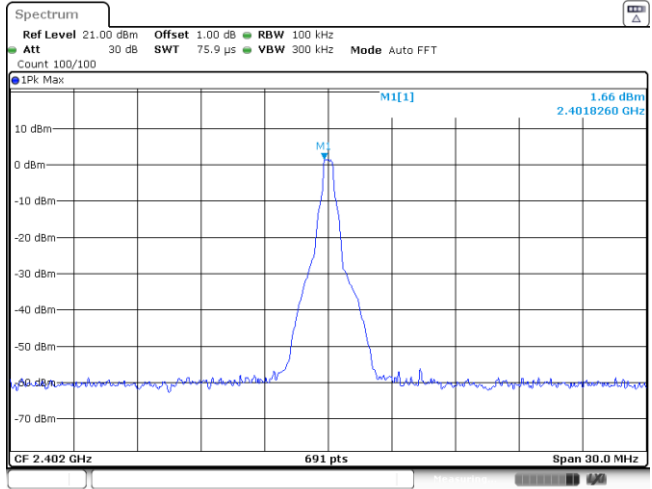
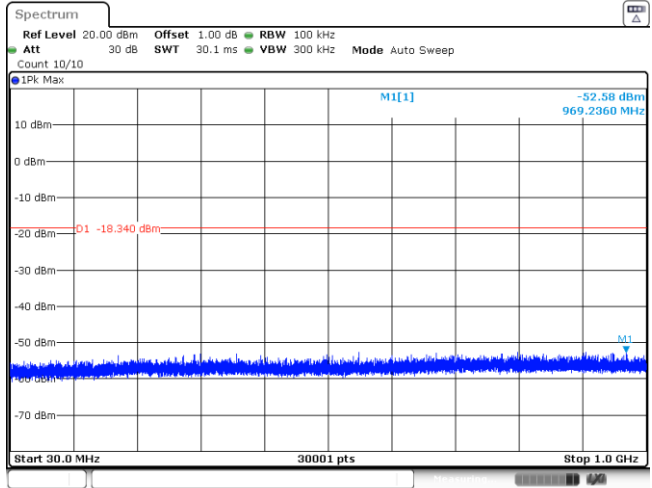
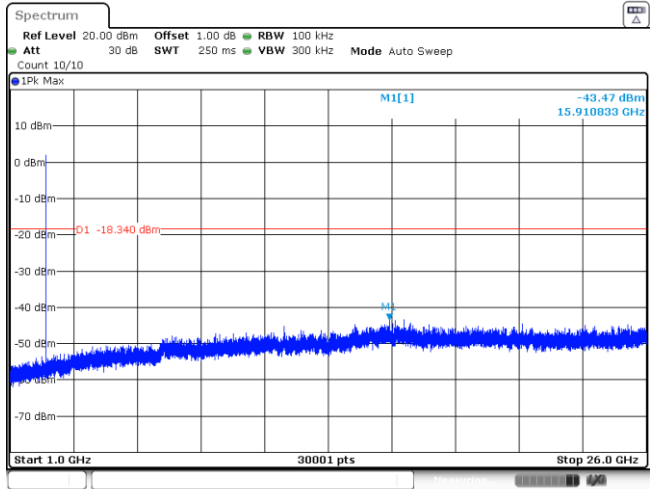
Test Item:	Band edge	Modulation type:	8DPSK																																										
<p>CH00 No hopping mode</p>	 <p><b>Spectrum</b>                  Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz                  Att 30 dB SWT 1.1 ms VBW 300 kHz Mode Auto Sweep                  Count 500/500</p> <p>1Pk Max</p> <p>M1[1] 0.73 dBm                  2.402180 GHz                  M2[1] -49.44 dBm                  2.400000 GHz</p> <p>D1 -19.270 dBm</p> <p>Start 2.31 GHz 691 pts Stop 2.405 GHz</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>2.40218 GHz</td> <td>0.73 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-49.44 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-54.73 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-54.96 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399768 GHz</td> <td>-48.81 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 9 NOV 2020 16:16:37</p>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.40218 GHz	0.73 dBm			M2	1		2.4 GHz	-49.44 dBm			M3	1		2.39 GHz	-54.73 dBm			M4	1		2.31 GHz	-54.96 dBm			M5	1		2.399768 GHz	-48.81 dBm		
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<p>CH78 No hopping mode</p>	 <p><b>Spectrum</b>                  Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz                  Att 30 dB SWT 56.9 µs VBW 300 kHz Mode Auto FFT                  Count 500/500</p> <p>1Pk Max</p> <p>M1[1] -2.12 dBm                  2.479831 GHz                  M2[1] -59.30 dBm                  2.4835000 GHz</p> <p>D1 -22.120 dBm</p> <p>Start 2.478 GHz 691 pts Stop 2.5 GHz</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>2.479831 GHz</td> <td>-2.12 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-59.30 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-59.10 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.4868957 GHz</td> <td>-56.89 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 9 NOV 2020 16:25:14</p>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.479831 GHz	-2.12 dBm			M2	1		2.4835 GHz	-59.30 dBm			M3	1		2.5 GHz	-59.10 dBm			M4	1		2.4868957 GHz	-56.89 dBm									
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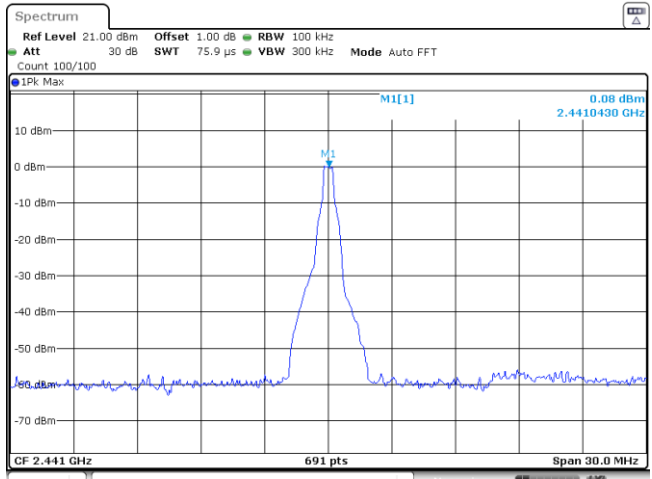
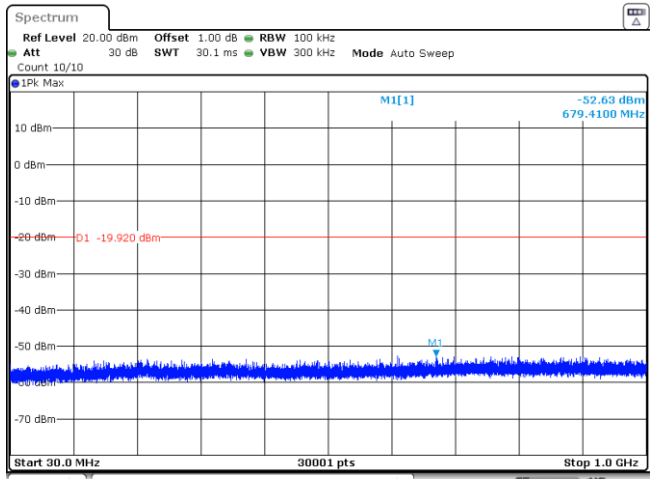
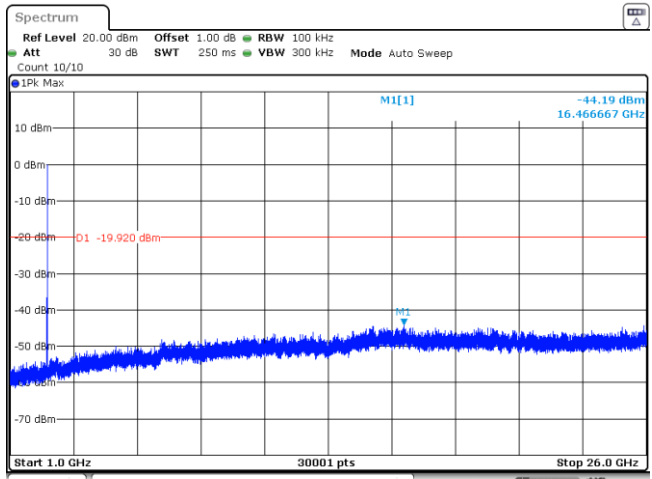
CH78  
Hoppig mode



Date: 9 NOV 2009 16:40:19



Test Item:	Spurious Emission	Modulation type:	GFSK
<p>CH00 Reference level</p>	 <p>Date: 9 NOV 2010 13:59:55</p>		
<p>CH00 30MHz~1000MHz</p>	 <p>Date: 9 NOV 2010 13:59:12</p>		
<p>CH00 1GHz~26GHz</p>	 <p>Date: 9 NOV 2010 13:59:28</p>		

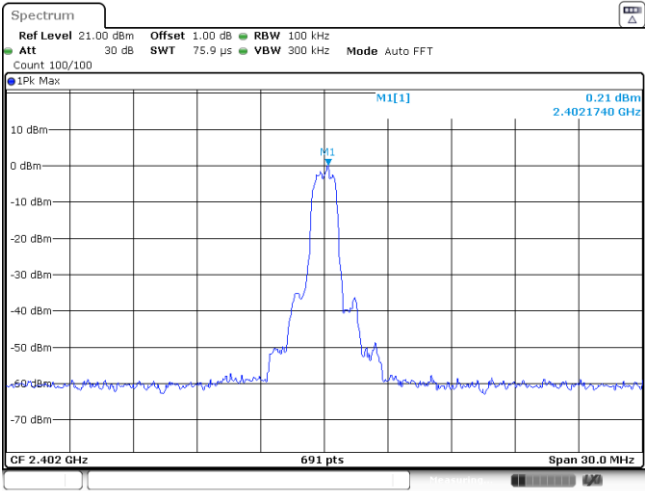
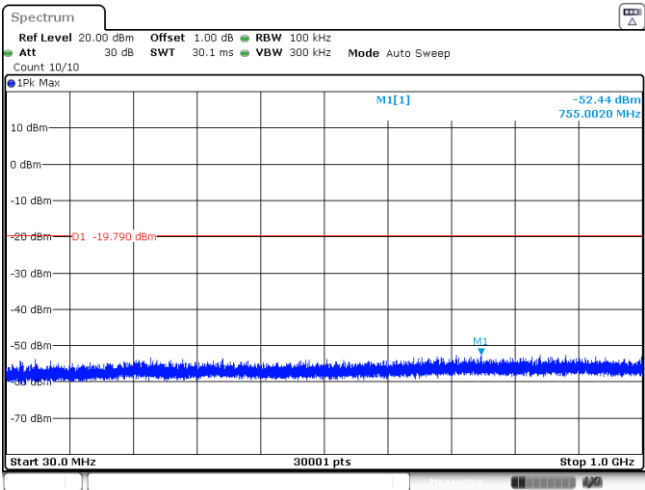
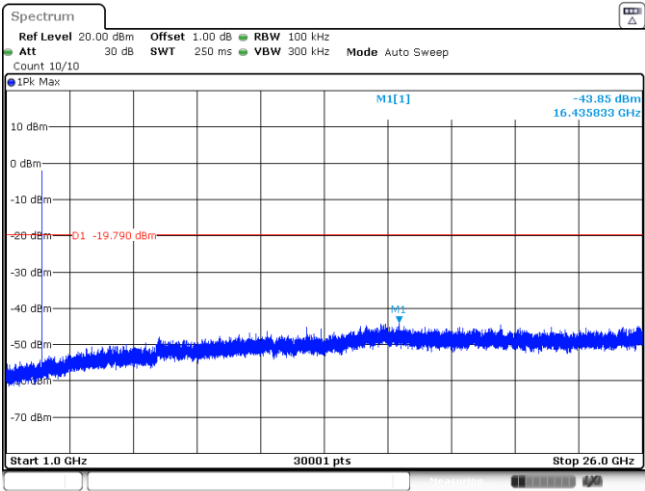
<p>CH39 Reference level</p>	 <p>Spectrum Ref Level 21.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 75.9 <math>\mu</math>s VBW 300 kHz Mode Auto FFT Count 100/100 IPK Max M1[1] 0.08 dBm 2.4410430 GHz CF 2.441 GHz 691 pts Span 30.0 MHz Date: 9 NOV 2020 15:57:36</p>
<p>CH39 30MHz~1000MHz</p>	 <p>Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 IPK Max M1[1] -52.63 dBm 679.4100 MHz D1 -19.920 dBm Start 30.0 MHz 30001 pts Stop 1.0 GHz Date: 9 NOV 2020 15:57:52</p>
<p>CH39 1GHz~26GHz</p>	 <p>Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 IPK Max M1[1] -44.19 dBm 16.466667 GHz D1 -19.920 dBm Start 1.0 GHz 30001 pts Stop 26.0 GHz Date: 9 NOV 2020 15:58:08</p>

<p>CH78 Reference level</p>	<p>Spectrum Ref Level 21.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 75.9 <math>\mu</math>s VBW 300 kHz Mode Auto FFT Count 100/100 IPK Max M1[1] -1.08 dBm 2.4800430 GHz CF 2.48 GHz 691 pts Span 30.0 MHz Date: 9 NOV 2020 15:59:44</p>
<p>CH78 30MHz~1000MHz</p>	<p>Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 IPK Max M1[1] -51.90 dBm 923.8410 MHz D1 -21.080 dBm Start 30.0 MHz 30001 pts Stop 1.0 GHz Date: 9 NOV 2020 16:00:00</p>
<p>CH78 1GHz~26GHz</p>	<p>Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 IPK Max M1[1] -44.72 dBm 15.877500 GHz D1 -21.080 dBm Start 1.0 GHz 30001 pts Stop 26.0 GHz Date: 9 NOV 2020 16:00:16</p>

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

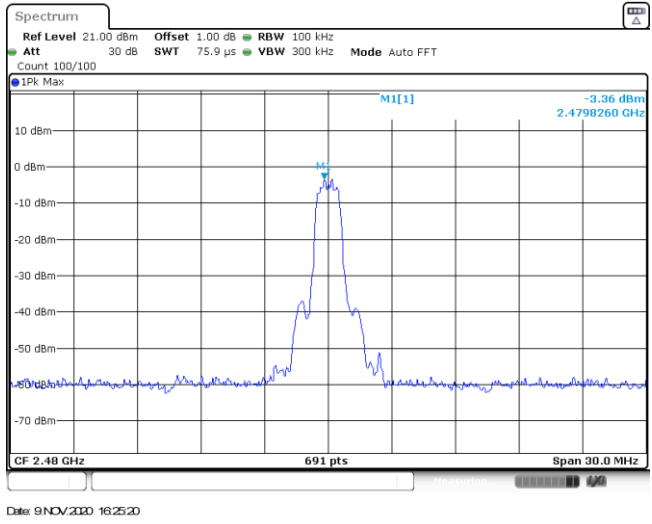
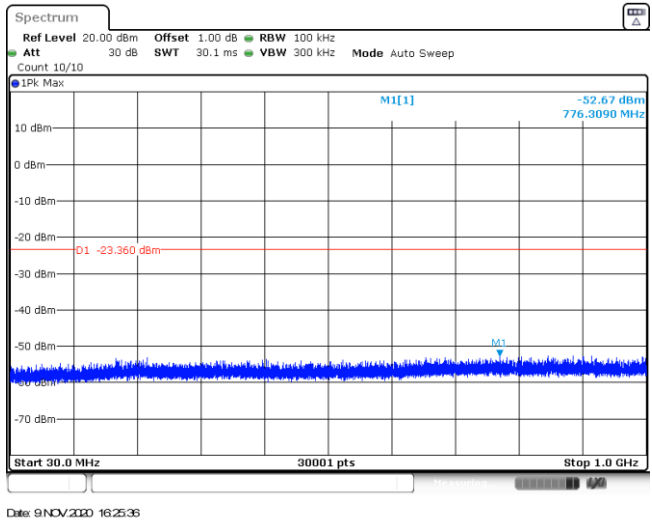
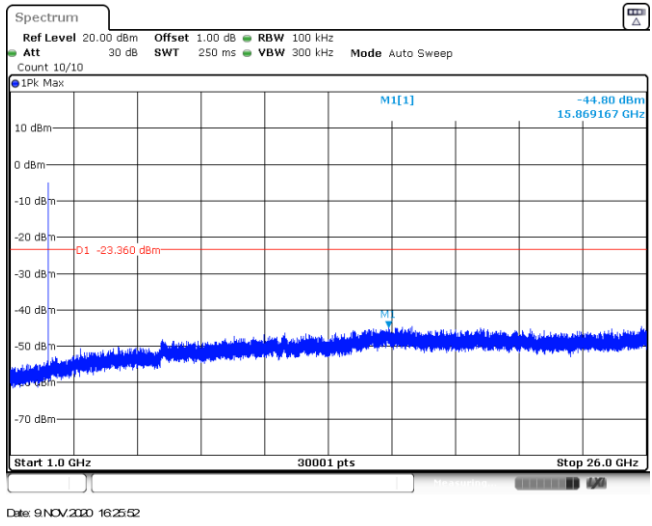
<p>CH39 Reference level</p>	
<p>CH39 30MHz~1000MHz</p>	
<p>CH39 1GHz~26GHz</p>	

<p>CH78 Reference level</p>	
<p>CH78 30MHz~1000MHz</p>	
<p>CH78 1GHz~26GHz</p>	

Test Item:	Spurious Emission	Modulation type:	8DPSK
<p>CH00 Reference level</p>	 <p>Spectrum</p> <p>Ref Level 21.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 75.9 <math>\mu</math>s VBW 300 kHz Mode Auto FFT Count 100/100</p> <p>1Pk Max</p> <p>M1[1] 0.21 dBm 2.4021740 GHz</p> <p>CF 2.402 GHz 691 pts Span 30.0 MHz</p> <p>Date: 9 NOV 2020 16:16:43</p>		
<p>CH00 30MHz~1000MHz</p>	 <p>Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10</p> <p>1Pk Max</p> <p>M1[1] -52.44 dBm 755.0020 MHz</p> <p>O1 -19.790 dBm</p> <p>Start 30.0 MHz 30001 pts Stop 1.0 GHz</p> <p>Date: 9 NOV 2020 16:16:59</p>		
<p>CH00 1GHz~26GHz</p>	 <p>Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10</p> <p>1Pk Max</p> <p>M1[1] -43.85 dBm 16.435833 GHz</p> <p>O1 -19.790 dBm</p> <p>Start 1.0 GHz 30001 pts Stop 26.0 GHz</p> <p>Date: 9 NOV 2020 16:17:15</p>		

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



<p>CH78 Reference level</p>	
<p>CH78 30MHz~1000MHz</p>	
<p>CH78 1GHz~26GHz</p>	

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