

# APPENDIX REPORT

Project No.	SHT2007034701EW	Radio Specification	Bluetooth EDR
Test sample No.	PHT20070347007	Model No.	SC 200
Start test date	2020/7/16	Finish date	2020/7/24
Temperature	25°C	Humidity	50%
Test Engineer	Jess He	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(ducted)	PASS

**Appendix A: Peak Output Power**

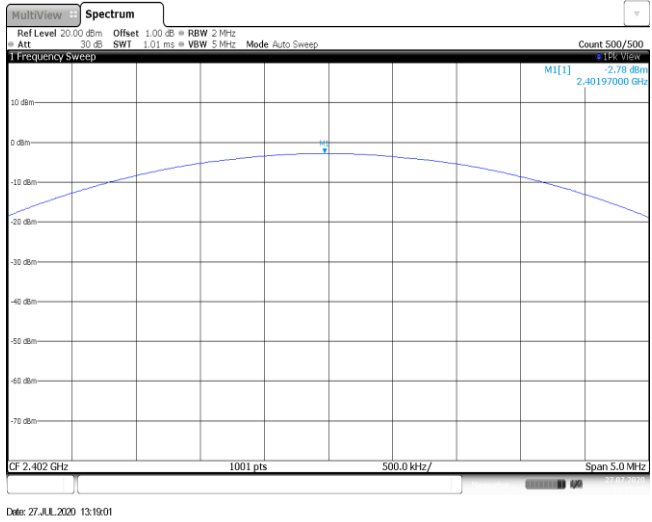
Modulation type	Channel	Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
GFSK	00	0.88	0.80	≤ 30.00	Pass
	39	0.68	0.67		
	78	-0.38	-0.38		
π/4DQPSK	00	-3.50	-2.83	≤ 21.00	Pass
	39	-3.34	-3.74		
	78	-4.30	-4.72		
8DPSK	00	-2.78	-3.38	≤ 21.00	Pass
	39	-2.90	-3.52		
	78	-3.89	-4.10		

Modulation Type:		GFSK
CH00	<p>Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Att 30 dB SWI 4.21 us (~31 ms) VBW 3 MHz Mode Auto FFT Count 500/500 1 Frequency Sweep M1[1] 0.88 dBm 2.40184020 GHz CF 2.402 GHz 1001 pts 500.0 kHz/ Span 5.0 MHz Date: 27.JUL.2020 11:19:56</p>	
CH39	<p>Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Att 30 dB SWI 4.21 us (~31 ms) VBW 3 MHz Mode Auto FFT Count 500/500 1 Frequency Sweep M1[1] 0.68 dBm 2.44084520 GHz CF 2.441 GHz 1001 pts 500.0 kHz/ Span 5.0 MHz Date: 27.JUL.2020 11:20:51</p>	
CH78	<p>Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Att 30 dB SWI 4.21 us (~31 ms) VBW 3 MHz Mode Auto FFT Count 500/500 1 Frequency Sweep M1[1] -0.38 dBm 2.48012490 GHz CF 2.48 GHz 1001 pts 500.0 kHz/ Span 5.0 MHz Date: 27.JUL.2020 11:33:10</p>	

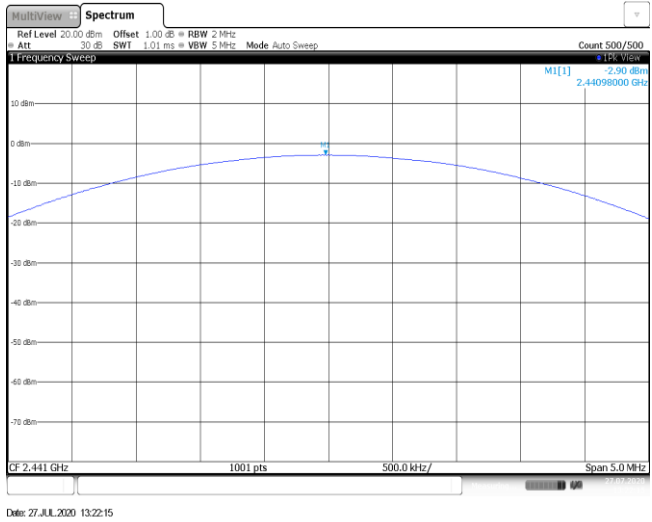
Modulation Type:		$\pi/4$ DQPSK
CH00	<p>                     Multiview Spectrum                      Ref Level 20.00 dBm Offset 1.00 dB RBW 2 MHz Count 500/500                      Att 30 dB SWI 1.01 ms VBW 5 MHz Mode Auto Sweep                      1 Frequency Sweep                      M1[1] -2.77 dBm                      2.40201500 GHz                      CF 2.402 GHz 1001 pts 500.0 kHz/ Span 5.0 MHz                      Date: 27.JUL.2020 14:11:38                 </p>	
CH39	<p>                     Multiview Spectrum                      Ref Level 20.00 dBm Offset 1.00 dB RBW 2 MHz Count 500/500                      Att 30 dB SWI 1.01 ms VBW 5 MHz Mode Auto Sweep                      1 Frequency Sweep                      M1[1] -3.34 dBm                      2.44087010 GHz                      CF 2.441 GHz 1001 pts 500.0 kHz/ Span 5.0 MHz                      Date: 27.JUL.2020 12:21:11                 </p>	
CH78	<p>                     Multiview Spectrum                      Ref Level 20.00 dBm Offset 1.00 dB RBW 2 MHz Count 500/500                      Att 30 dB SWI 1.01 ms VBW 5 MHz Mode Auto Sweep                      1 Frequency Sweep                      M1[1] -4.30 dBm                      2.47986510 GHz                      CF 2.48 GHz 1001 pts 500.0 kHz/ Span 5.0 MHz                      Date: 27.JUL.2020 13:16:05                 </p>	

**Modulation Type: 8DPSK**

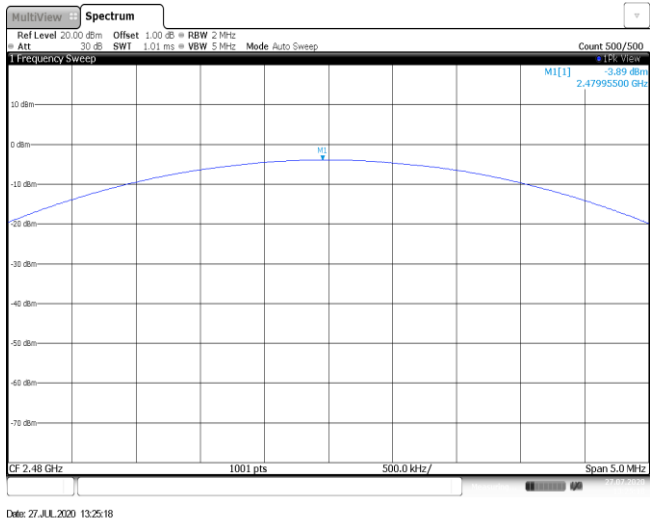
CH00



CH39



CH78

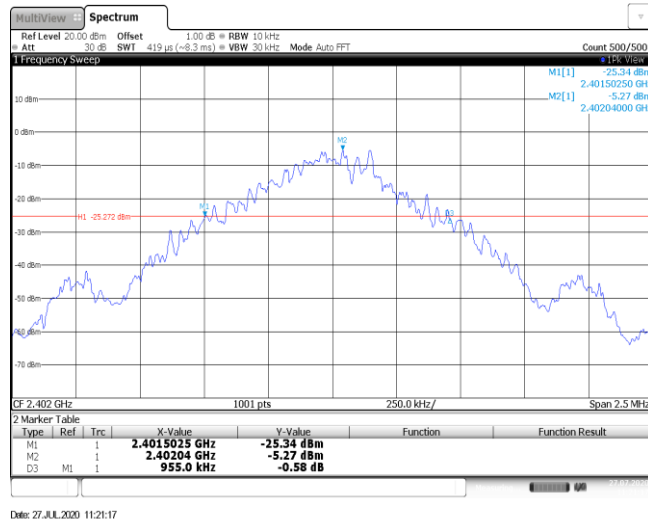


**Appendix B : 20 dB Bandwidth**

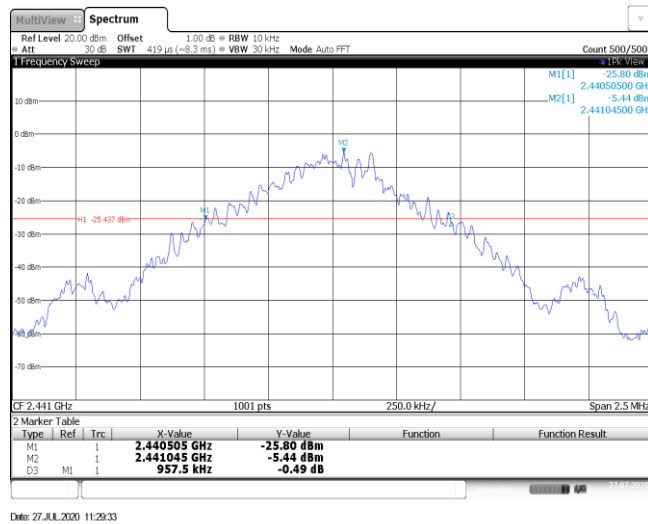
Modulation type	Channel	20 dB Bandwidth (kHz)	Limit (kHz)	Result
GFSK	00	955.00	-	Pass
	39	957.50		
	78	927.50		
$\pi/4$ DQPSK	00	1367.50	-	Pass
	39	1367.50		
	78	1360.00		
8DPSK	00	1342.50	-	Pass
	39	1345.00		
	78	1345.00		

**Modulation Type: GFSK**

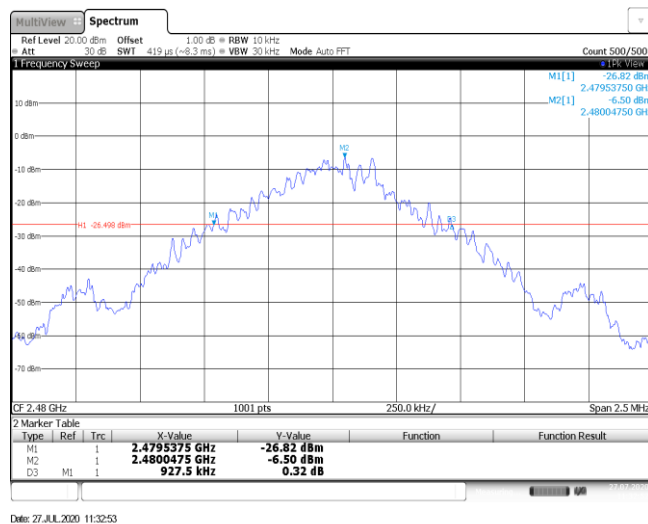
CH00



CH39

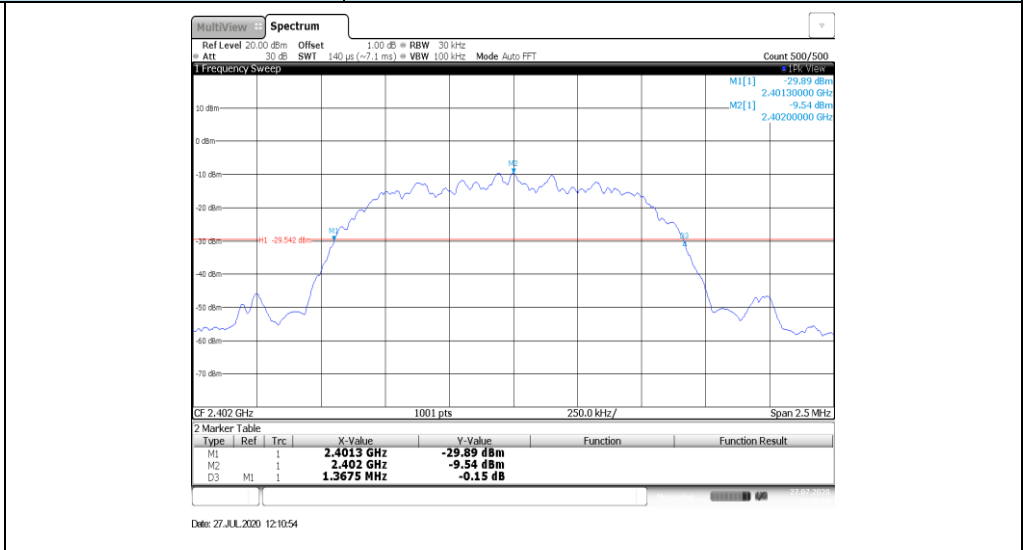


CH78

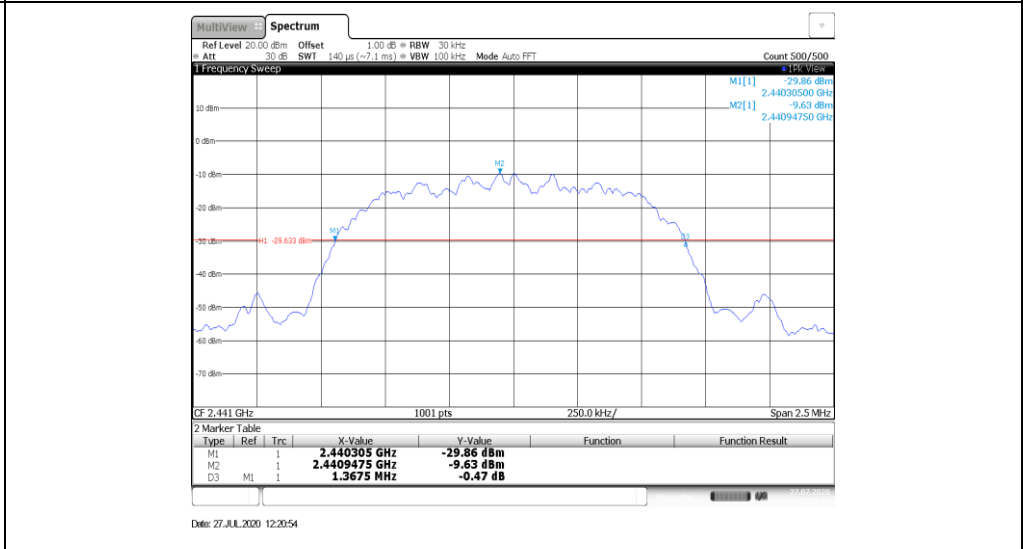


**Modulation Type:**  $\pi/4$ DQPSK

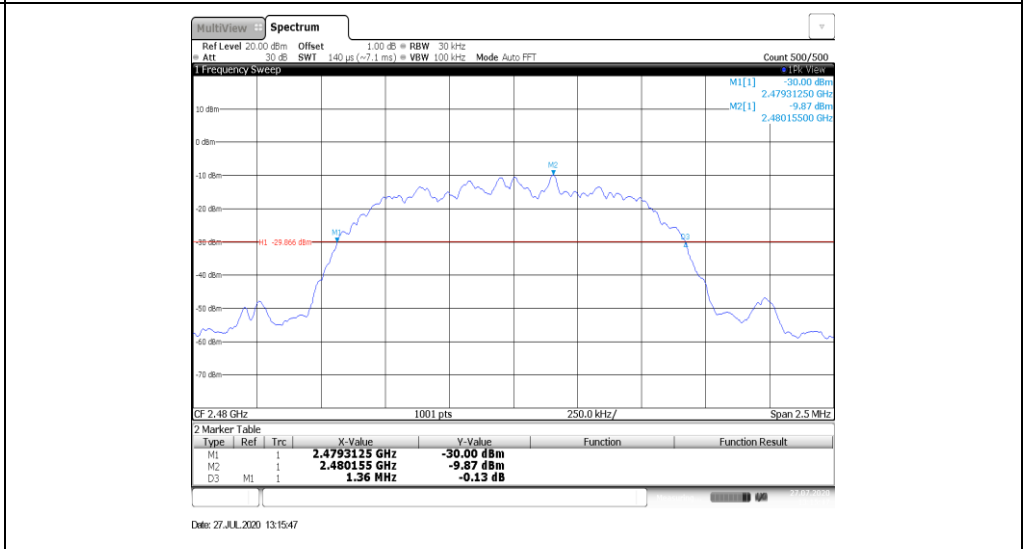
CH00



CH39



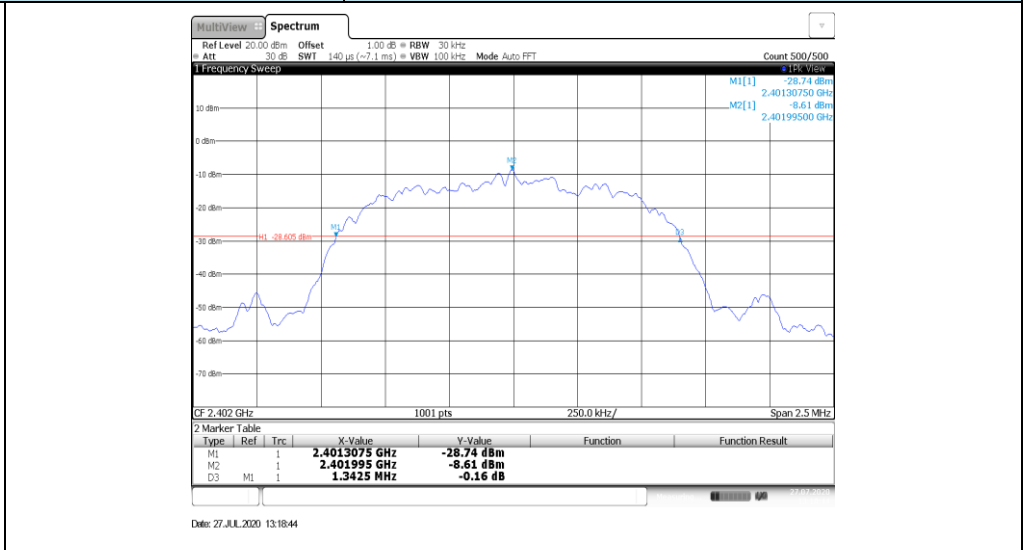
CH78



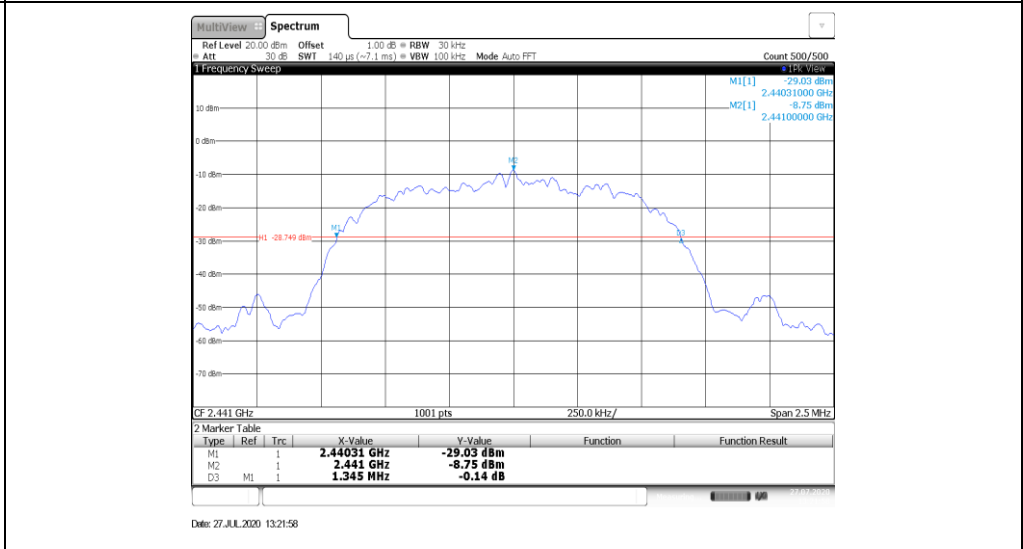


**Modulation Type: 8DPSK**

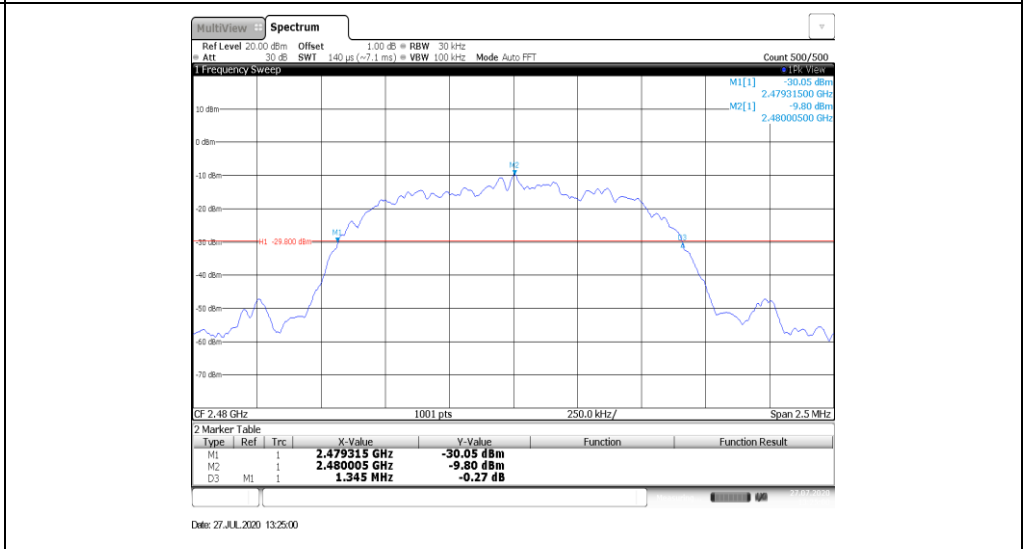
CH00



CH39



CH78

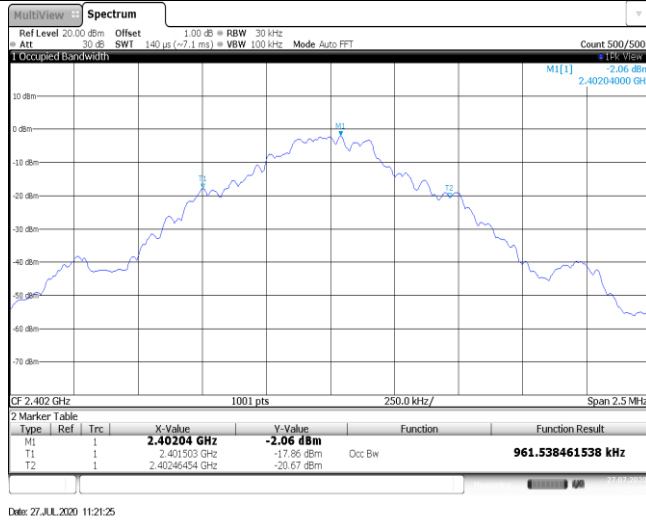


**Appendix C: 99% Occupied Bandwidth**

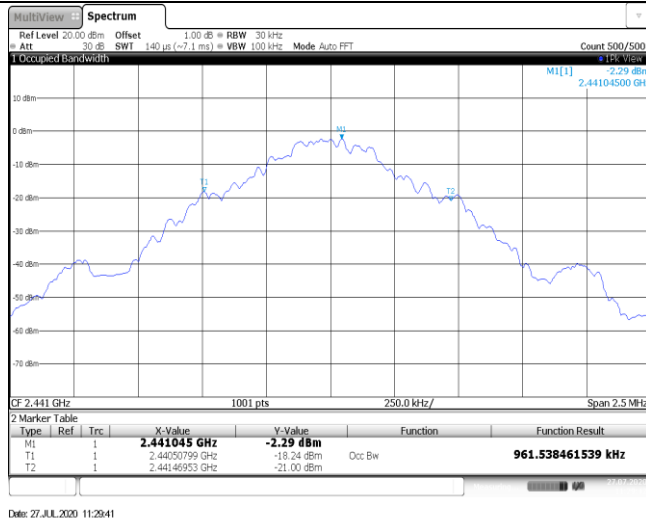
Modulation type	Channel	99% Occupied Bandwidth (MHz)	Limit (MHz)	Result
GFSK	00	0.96	-	Pass
	39	0.96		
	78	0.96		
$\pi/4$ DQPSK	00	1.22	-	Pass
	39	1.21		
	78	1.21		
8DPSK	00	1.22	-	Pass
	39	1.22		
	78	1.22		

**Modulation Type: GFSK**

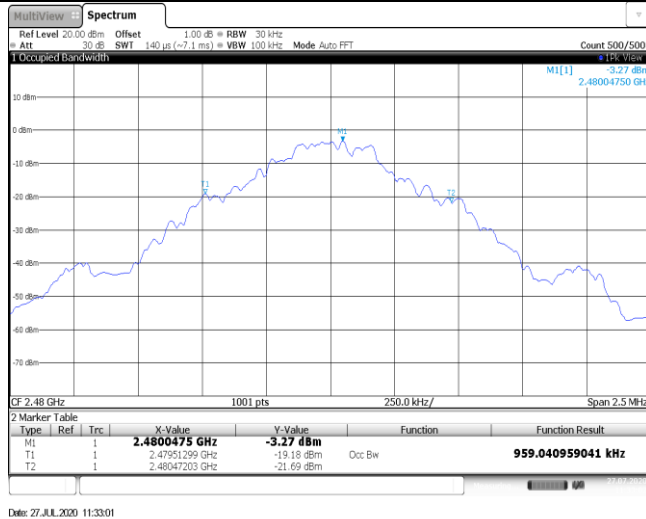
CH00



CH39

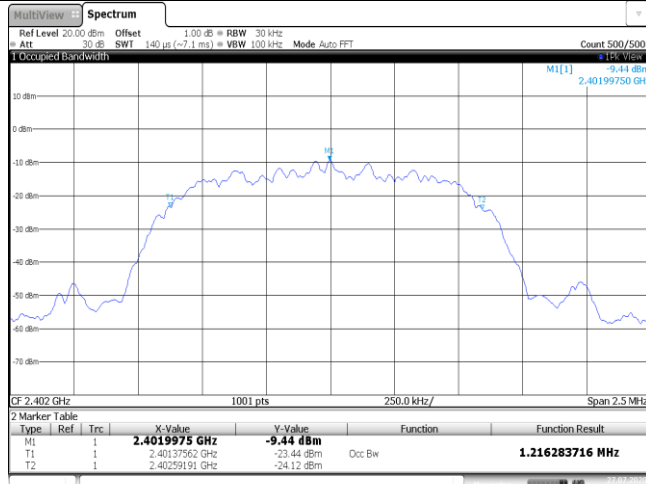


CH78



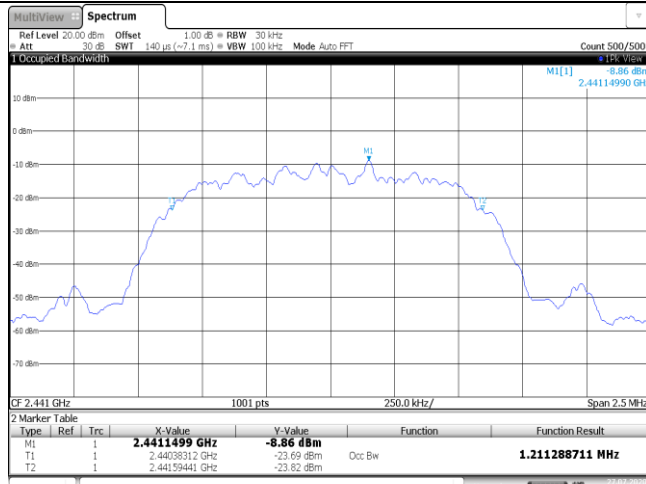
**Modulation Type:**  $\pi/4$ DQPSK

CH00



Date: 27.JUL.2020 12:11:03

CH39



Date: 27.JUL.2020 12:21:02

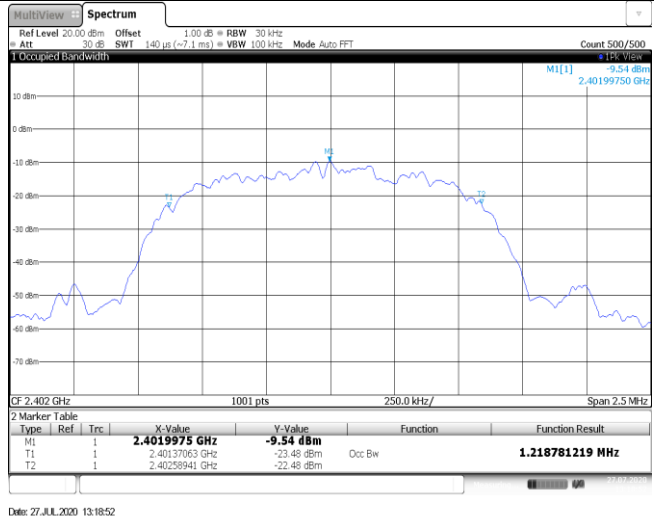
CH78



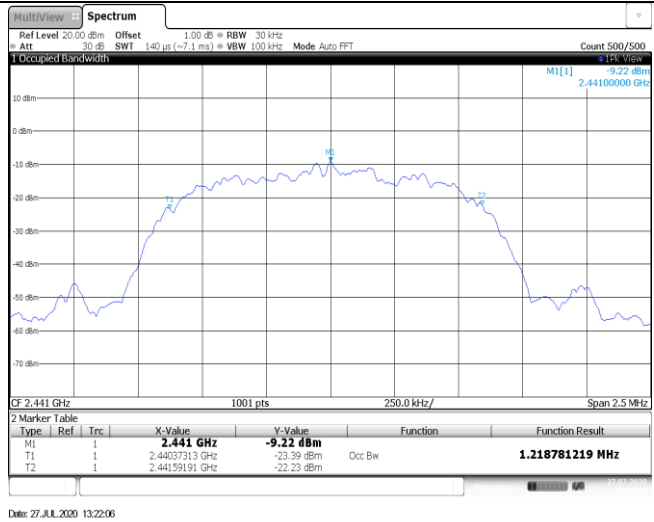
Date: 27.JUL.2020 13:15:55

**Modulation Type: 8DPSK**

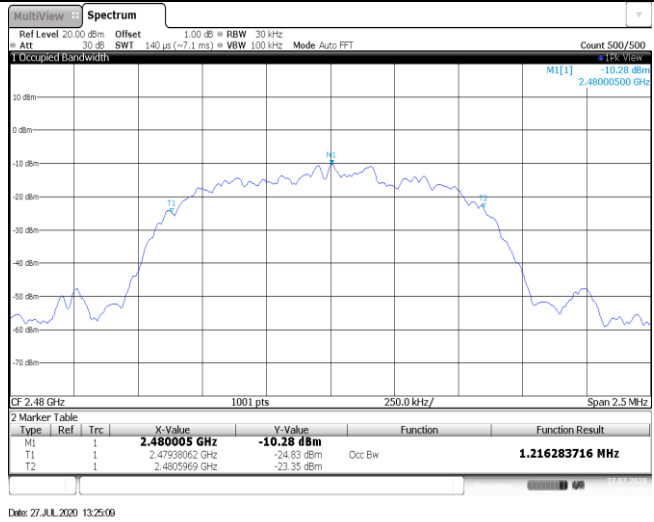
CH00



CH39



CH78



**Appendix D: Carrier Frequencies Separation**

Modulation type	Channel	Carrier Frequencies Separation (MHz)	Limit (kHz) *	Result
GFSK	39	1.00	≥957.5	Pass
π/4DQPSK	39	1.00	≥911.7	Pass
8DPSK	39	1.00	≥896.7	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.

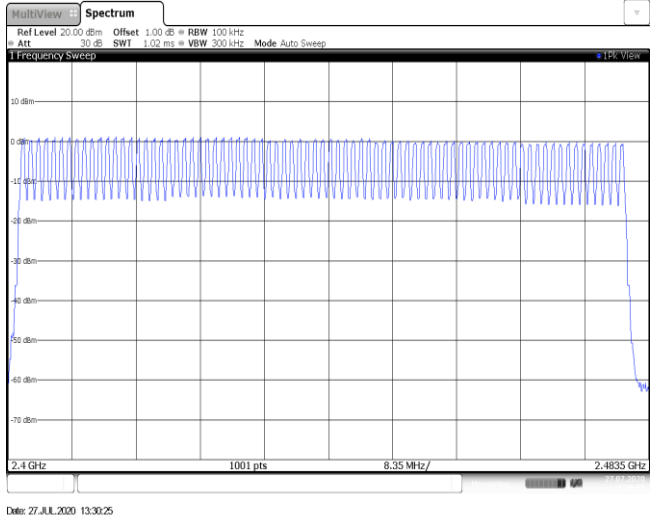
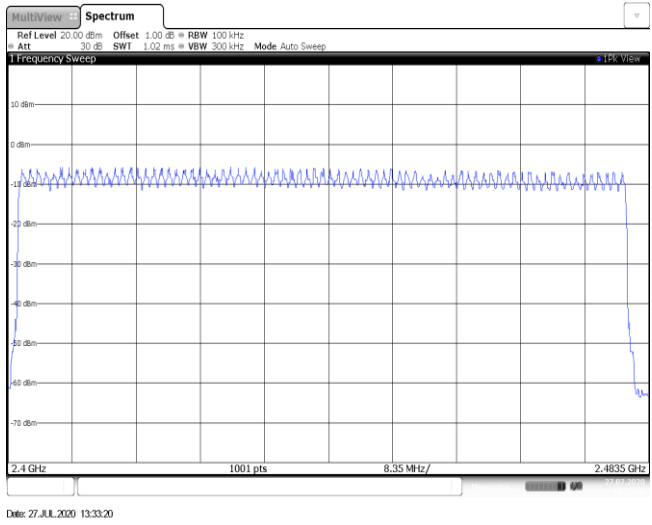
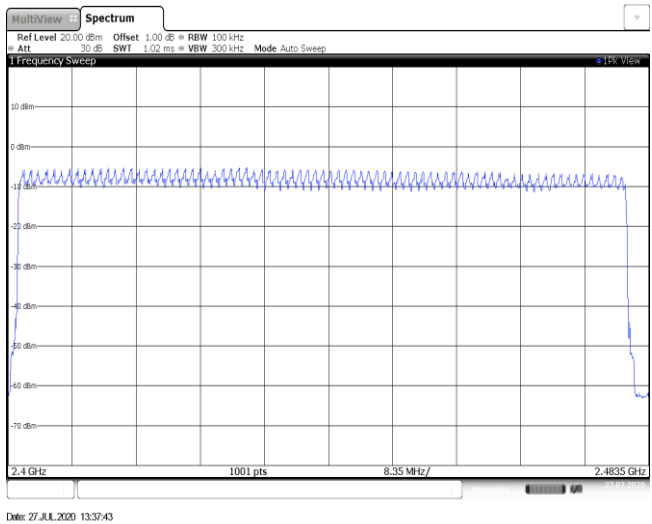
8DPSK limit = 2/3 \* The maximum 20 dB Bandwidth for 8DPSK modulation on the appendix B

<p style="text-align: center;">GFSK</p>	<p style="text-align: center;">Date: 27.JUL.2020 11:25:59</p>
<p style="text-align: center;"><math>\pi/4</math>DQPSK</p>	<p style="text-align: center;">Date: 27.JUL.2020 12:18:11</p>
<p style="text-align: center;">8DPSK</p>	<p style="text-align: center;">Date: 27.JUL.2020 13:21:29</p>

**Appendix E: Hopping Channel Number**

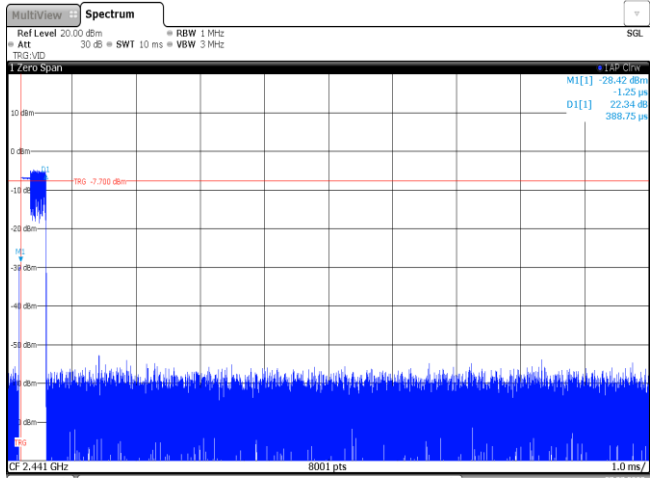
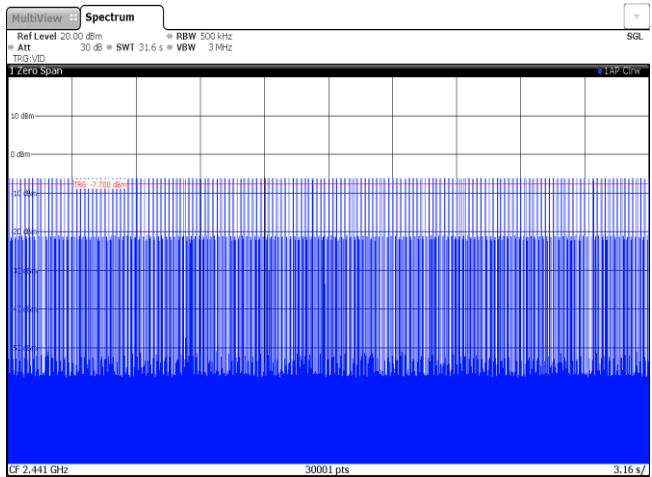
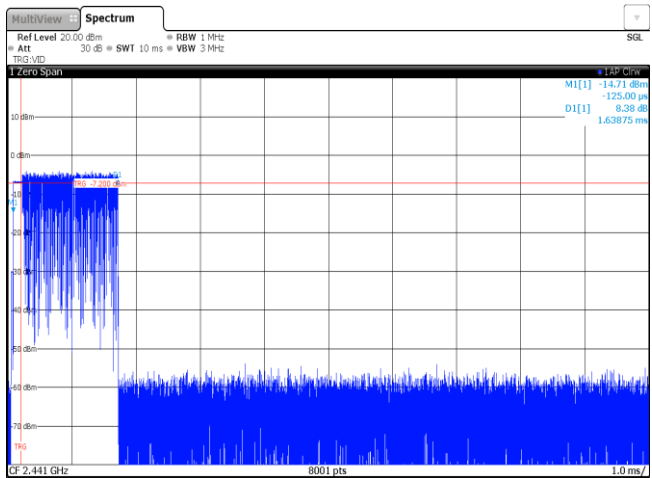
Modulation type	Channel number	Limit	Result
GFSK	79	≥15.00	Pass
π/4DQPSK	79		
8DPSK	79		

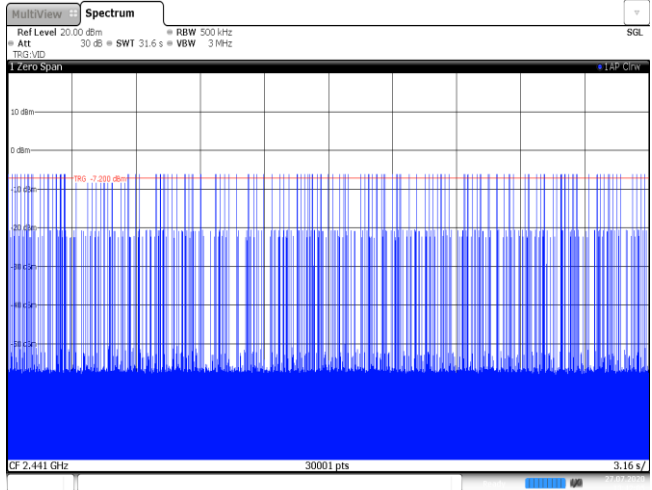
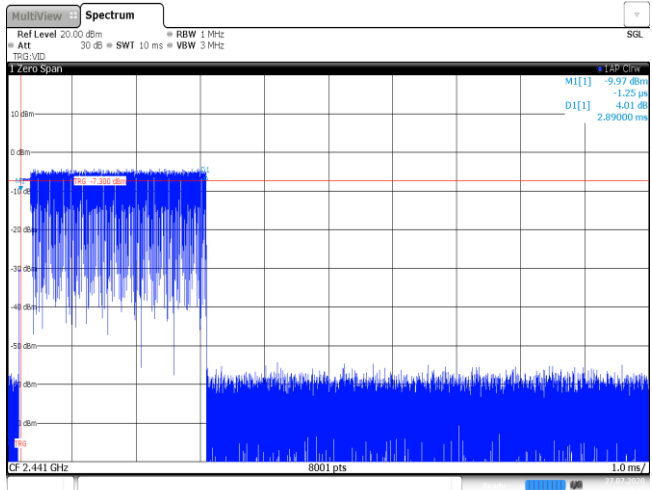
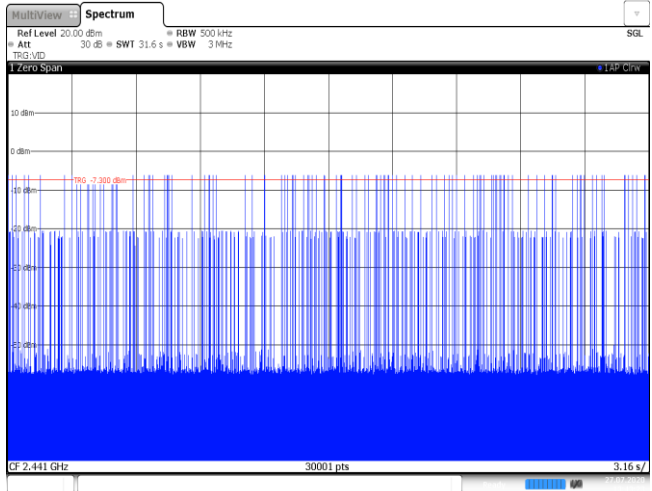


<p>GFSK</p>	
<p><math>\pi/4</math>DQPSK</p>	
<p>8DPSK</p>	

**Appendix F: Dwell Time**

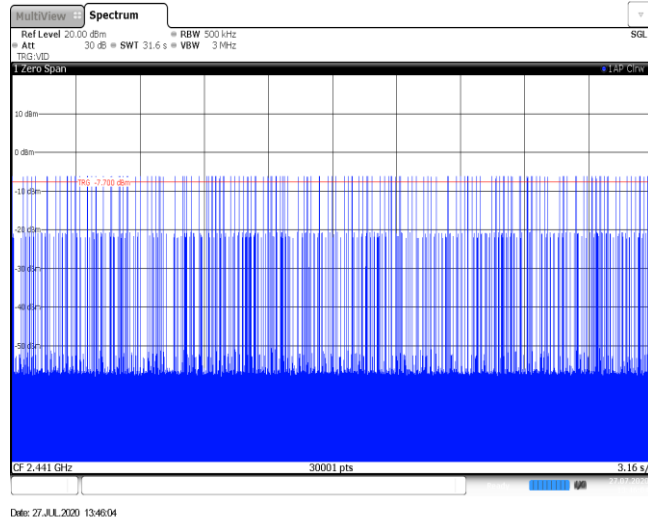
Modulation type	Packet	Burst Width [ms]	Total Hops[hop*ch]	Dwell time (Second)	Limit (Second)	Result
GFSK	DH1	0.39	317	0.12	≤ 0.40	Pass
	DH3	1.64	153	0.25		
	DH5	2.89	11	0.32		
π/4DQPSK	2DH1	0.39	318	0.12	≤ 0.40	Pass
	2DH3	1.64	167	0.27		
	2DH5	2.89	97	0.28		
8DPSK	3DH1	0.39	320	0.12	≤ 0.40	Pass
	3DH3	1.64	164	0.27		
	3DH5	2.89	103	0.30		

Modulation Type:	GFSK
<p>DH1 Burst width</p>	 <p>Ref Level 20.00 dBm Att 30 dB RBW 1 MHz SWT 10 ms VBW 3 MHz</p> <p>M1[1] -1.25 dBm D1[1] 22.34 dB 388.75 μs</p> <p>CF 2.441 GHz 8001 pts 1.0 ms/</p> <p>Date: 27.JUL.2020 13:38:48</p>
<p>DH1 Burst number</p>	 <p>Ref Level 20.00 dBm Att 30 dB RBW 500 kHz SWT 31.6 s VBW 3 MHz</p> <p>M1[1] -1.25 dBm D1[1] 8.38 dB 1.63875 ms</p> <p>CF 2.441 GHz 30001 pts 3.16 s/</p> <p>Date: 27.JUL.2020 13:40:22</p>
<p>DH3 Burst width</p>	 <p>Ref Level 20.00 dBm Att 30 dB RBW 1 MHz SWT 10 ms VBW 3 MHz</p> <p>M1[1] -14.71 dBm D1[1] 8.38 dB 1.63875 ms</p> <p>CF 2.441 GHz 8001 pts 1.0 ms/</p> <p>Date: 27.JUL.2020 13:41:31</p>

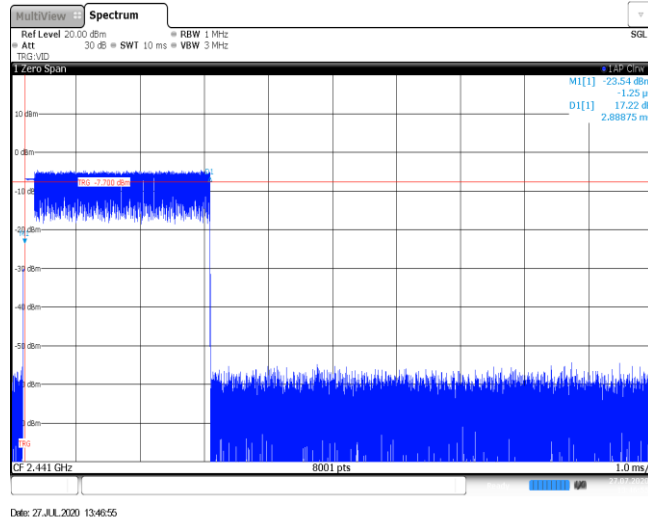
<p>DH3 Burst number</p>	 <p>The spectrum plot shows a dense, continuous signal across the frequency range. The y-axis represents power in dBm, ranging from -80 to 10. The x-axis represents frequency, centered at 2.441 GHz with a span of 30001 pts. The signal level is consistently high, reaching approximately -10 dBm. The plot includes a red horizontal line at -10 dBm and a blue horizontal line at -20 dBm. The date and time are 27.JUL.2020 13:42:05.</p>
<p>DH5 Burst width</p>	 <p>The spectrum plot shows a signal that is active for a short duration and then drops to a lower level. The y-axis represents power in dBm, ranging from -80 to 10. The x-axis represents frequency, centered at 2.441 GHz with a span of 8001 pts. The signal level is approximately -10 dBm during the active period. The plot includes a red horizontal line at -10 dBm and a blue horizontal line at -20 dBm. The date and time are 27.JUL.2020 13:42:49.</p>
<p>DH5 Burst number</p>	 <p>The spectrum plot shows a dense, continuous signal across the frequency range. The y-axis represents power in dBm, ranging from -80 to 10. The x-axis represents frequency, centered at 2.441 GHz with a span of 30001 pts. The signal level is consistently high, reaching approximately -10 dBm. The plot includes a red horizontal line at -10 dBm and a blue horizontal line at -20 dBm. The date and time are 27.JUL.2020 13:43:23.</p>

Modulation Type:	$\pi/4$ DQPSK
<p>2DH1 Burst width</p>	<p>Date: 27.JUL.2020 13:44:00</p>
<p>2DH1 Burst number</p>	<p>Date: 27.JUL.2020 13:44:34</p>
<p>2DH3 Burst width</p>	<p>Date: 27.JUL.2020 13:45:30</p>

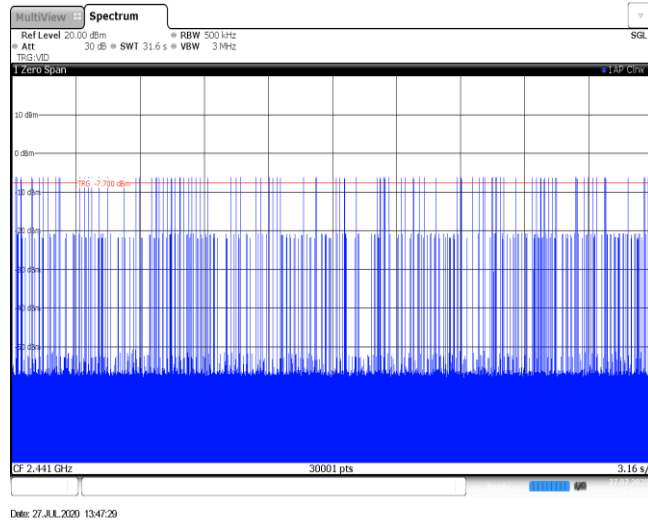
2DH3  
Burst number

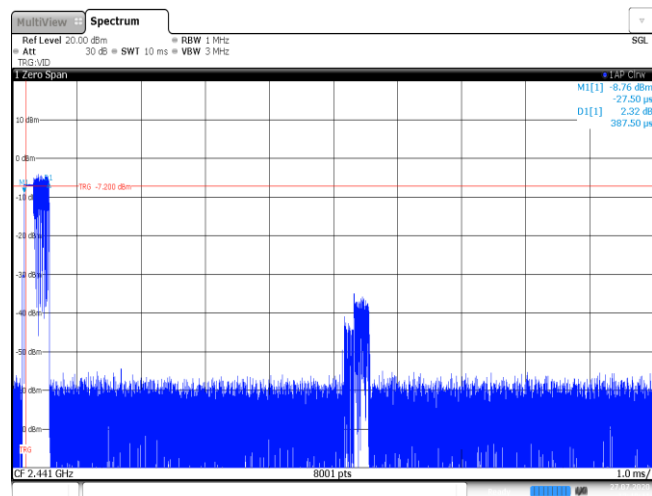
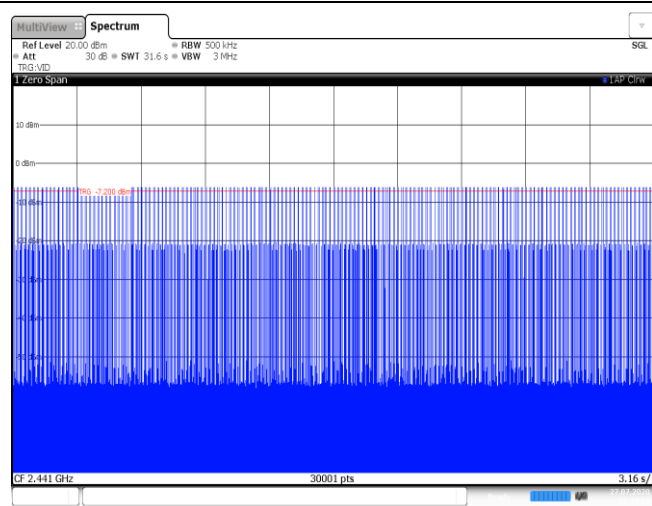
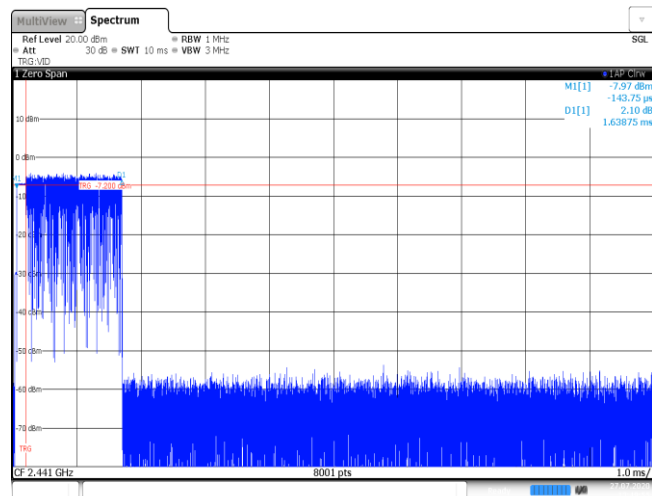


2DH5  
Burst width



2DH5  
Burst number



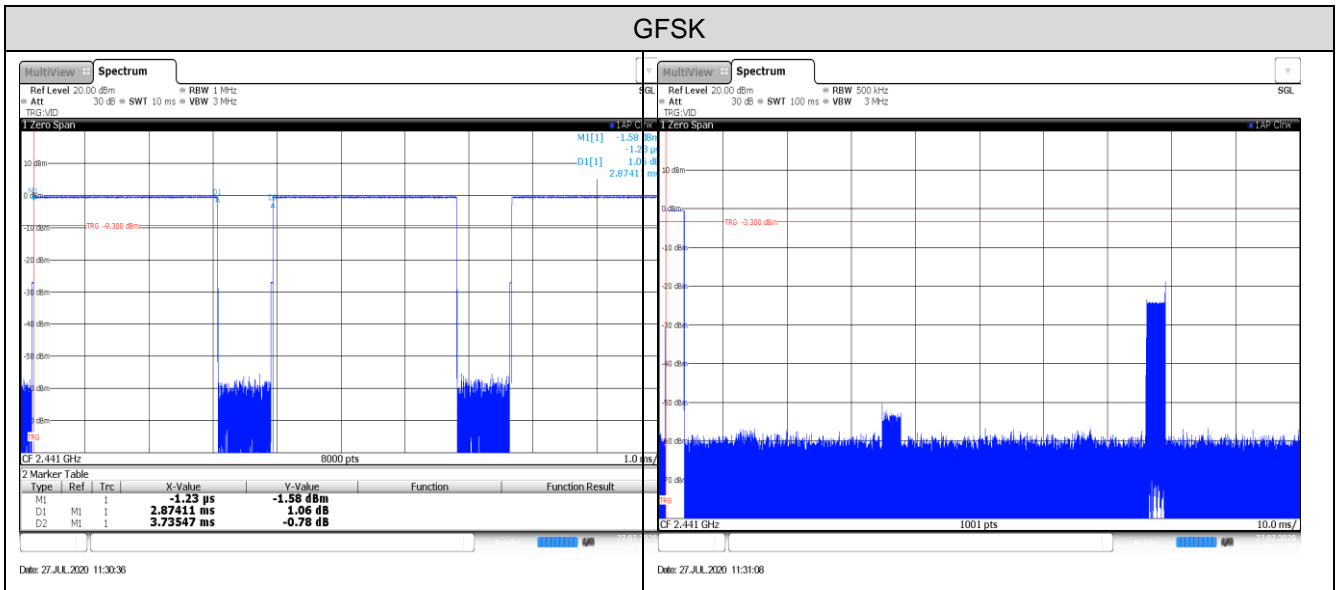
Modulation Type:	8DPSK
<p>3DH1 Burst width</p>	 <p>Ref Level 20.00 dBm Att 30 dB RBW 1 MHz SWT 10 ms VBW 3 MHz</p> <p>M[1] -6.76 dBm D1[1] -27.50 μs D1[1] 2.32 dB 387.50 μs</p> <p>CF 2.441 GHz 8001 pts 1.0 ms/</p> <p>Date: 27.JUL.2020 13:48:41</p>
<p>3DH1 Burst number</p>	 <p>Ref Level 20.00 dBm Att 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.JUL.2020 13:48:15</p>
<p>3DH3 Burst width</p>	 <p>Ref Level 20.00 dBm Att 30 dB RBW 1 MHz SWT 10 ms VBW 3 MHz</p> <p>M[1] -7.97 dBm D1[1] -14.8375 μs D1[1] 2.10 dB 1.63875 ms</p> <p>CF 2.441 GHz 8001 pts 1.0 ms/</p> <p>Date: 27.JUL.2020 13:48:55</p>





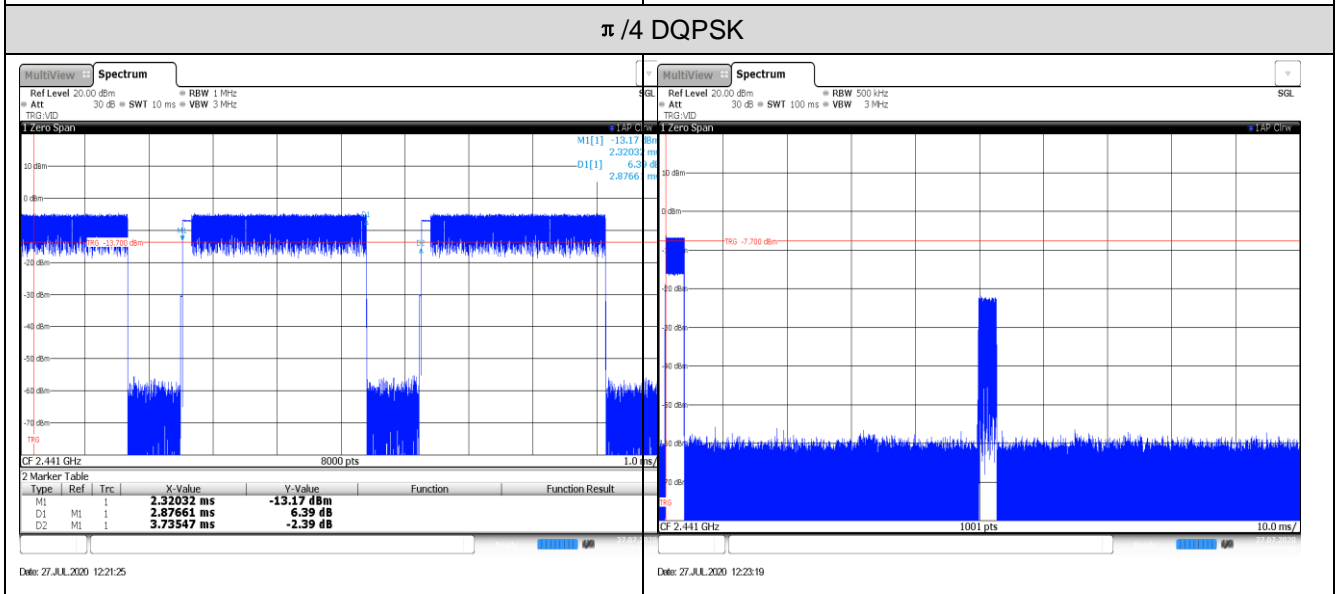
**Appendix G: Duty Cycle Correction Factor (DCCF)**

DCCF Calculate Formula					
DCCF=20 * Log(duty cycle) = 20 * Log( $T_{on\ time} / T_{period}$ )					
Modulation type	Test Frequency (MHz)	$T_{on\ time}$ for single burst [ms]	$T_{period}$ [ms]	Burst Quantity	DCCF [dB]
GFSK	2441	2.87	100	2.00	-24.82
$\pi/4$ DQPSK	2441	2.88	100	2.00	-24.79
8DPSK	2441	2.88	100	3.00	-21.27



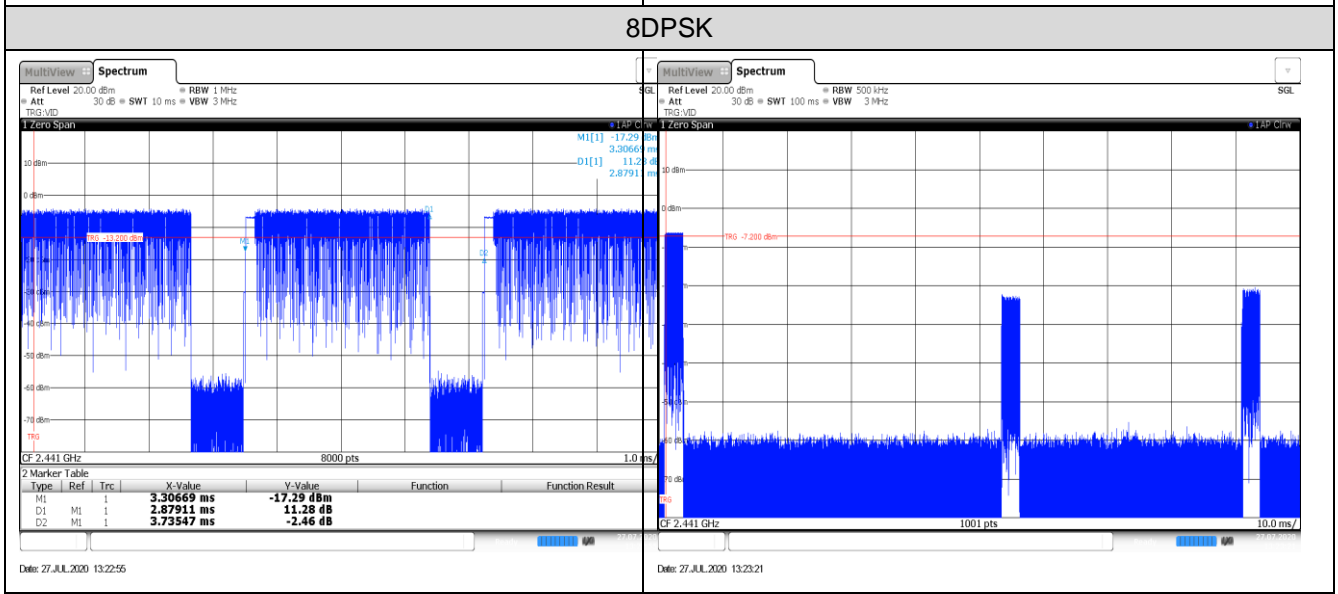
Ton time for single burst

Burst Quantity



Ton time for single burst

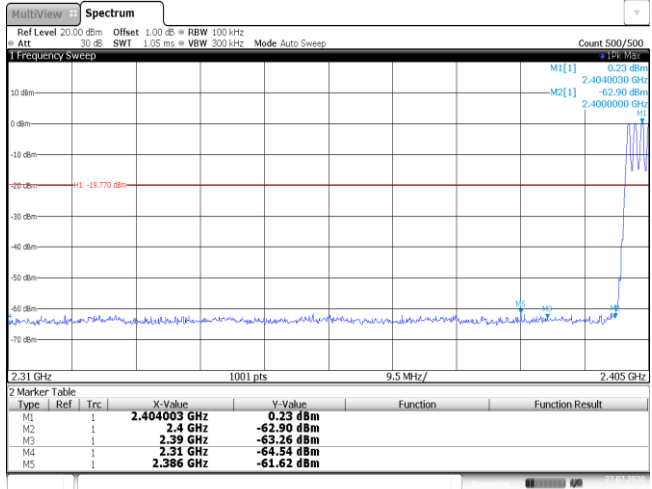
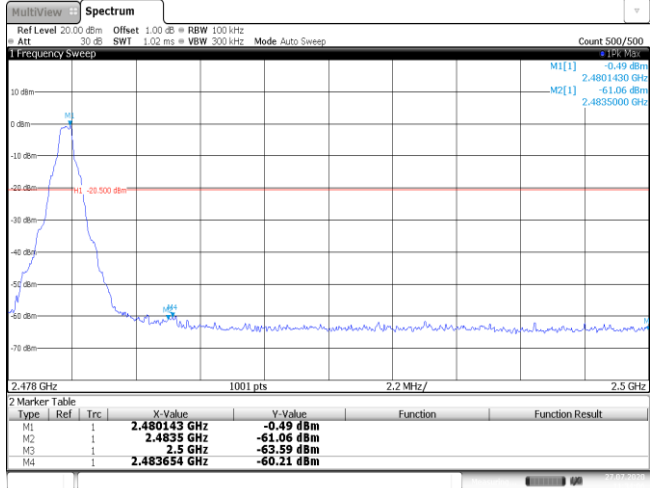
Burst Quantity



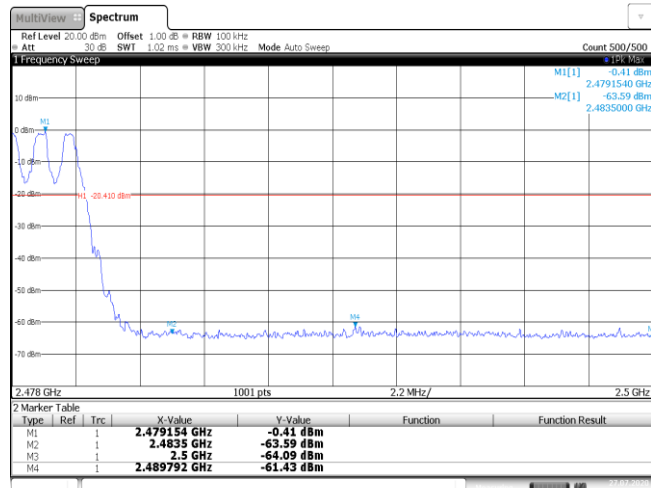
Ton time for single burst

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"> <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>0.77 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-57.77 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-63.11 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-63.33 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399965 GHz</td> <td>-57.85 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 27.JUL.2020 11:20:09</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.402105 GHz	0.77 dBm			M2	1		2.4 GHz	-57.77 dBm			M3	1		2.39 GHz	-63.11 dBm			M4	1		2.31 GHz	-63.33 dBm			M5	1		2.399965 GHz	-57.85 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.402105 GHz	0.77 dBm																																									
M2	1		2.4 GHz	-57.77 dBm																																									
M3	1		2.39 GHz	-63.11 dBm																																									
M4	1		2.31 GHz	-63.33 dBm																																									
M5	1		2.399965 GHz	-57.85 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></td> <td>2.404003 GHz</td> <td>0.23 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-62.90 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-63.26 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-64.54 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.386 GHz</td> <td>-61.62 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 27.JUL.2020 13:30:39</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.404003 GHz	0.23 dBm			M2	1		2.4 GHz	-62.90 dBm			M3	1		2.39 GHz	-63.26 dBm			M4	1		2.31 GHz	-64.54 dBm			M5	1		2.386 GHz	-61.62 dBm		
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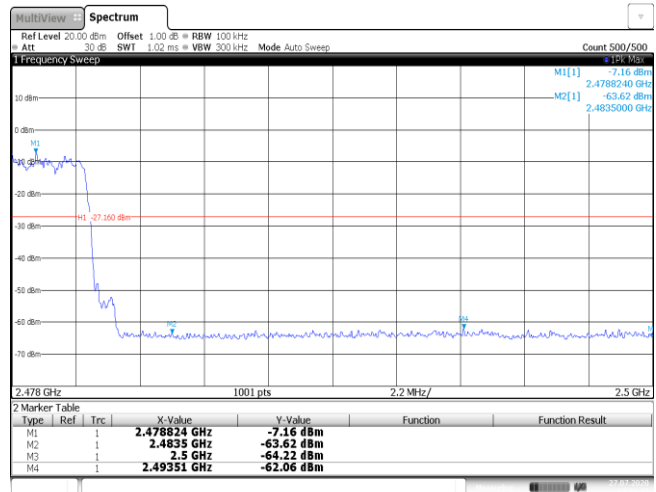
CH78  
Hopping mode



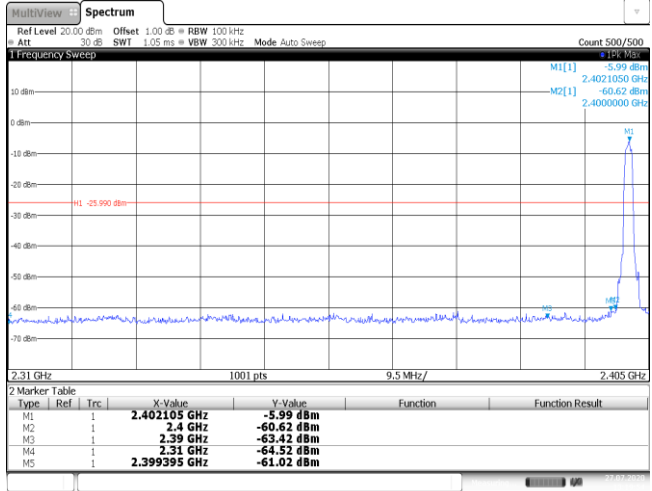
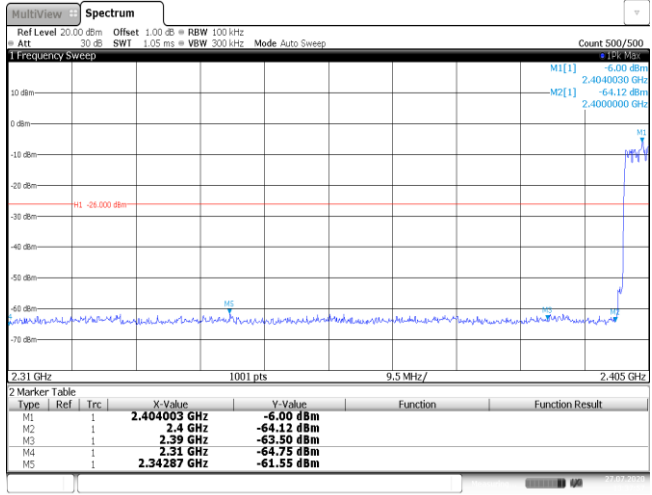
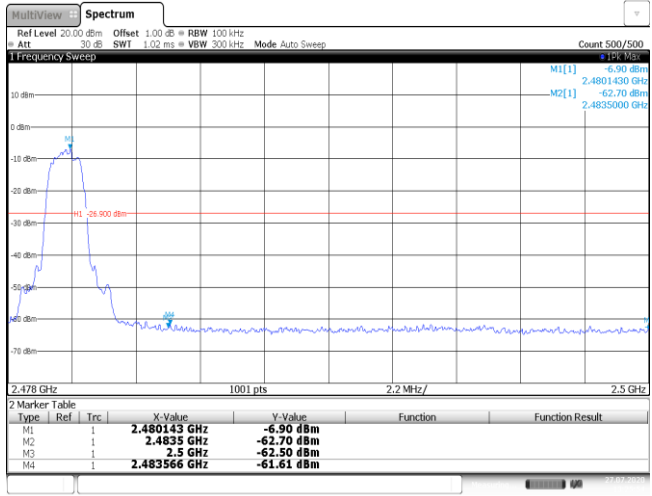
Date: 27 JUL 2020 13:30:53

Test Item:	Band edge	Modulation type:	π/4DQPSK																																										
<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>-6.00 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-60.25 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-63.44 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-64.39 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399965 GHz</td> <td>-60.89 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 27.JUL.2020 12:15:19</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.402105 GHz	-6.00 dBm			M2	1		2.4 GHz	-60.25 dBm			M3	1		2.39 GHz	-63.44 dBm			M4	1		2.31 GHz	-64.39 dBm			M5	1		2.399965 GHz	-60.89 dBm		
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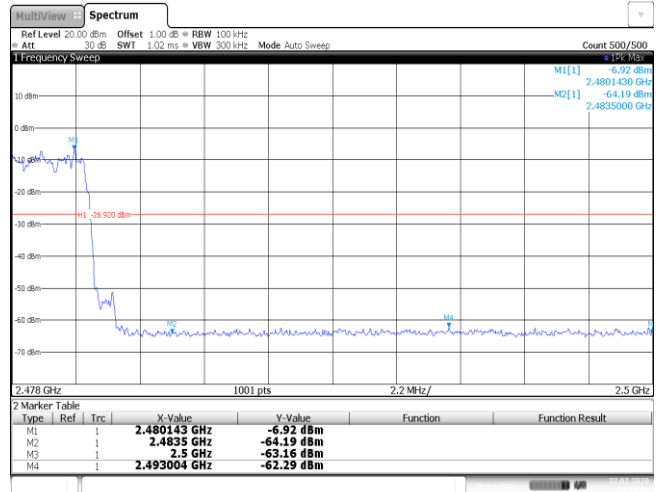
CH78  
Hopping mode



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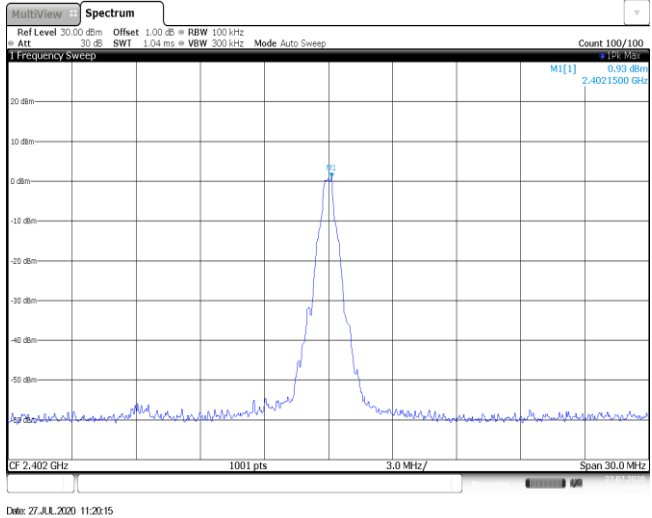
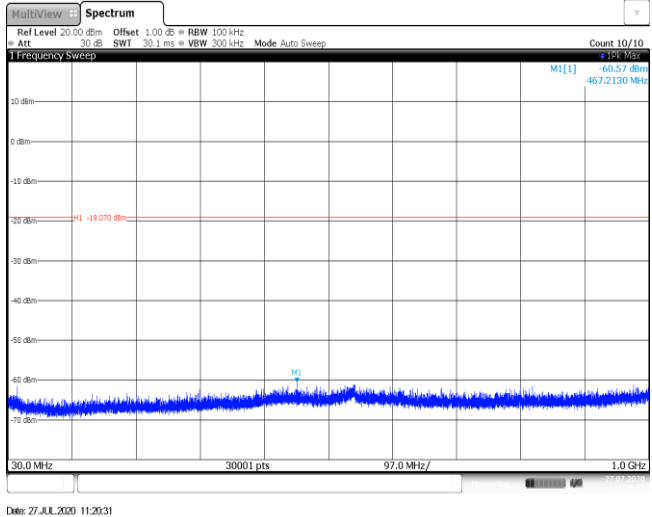
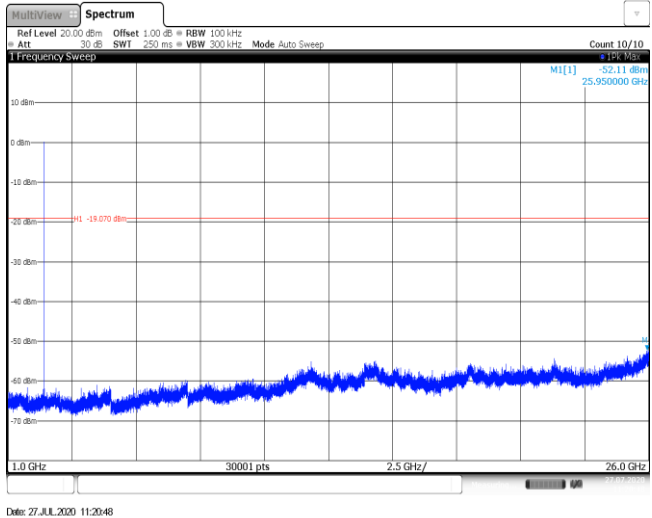
Test Item:	Band edge	Modulation type:	8DPSK																																										
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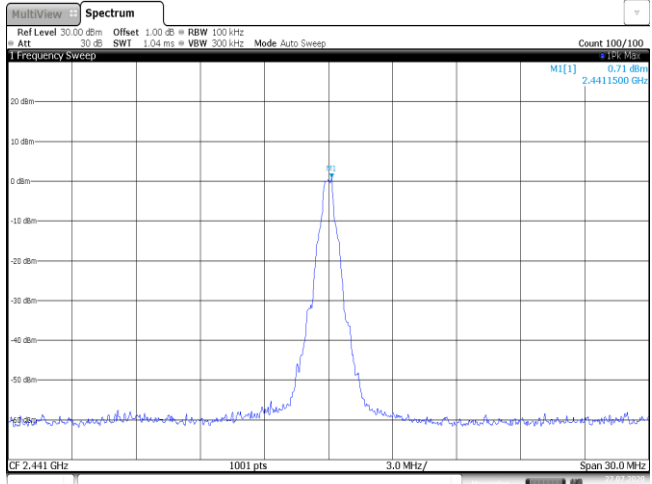
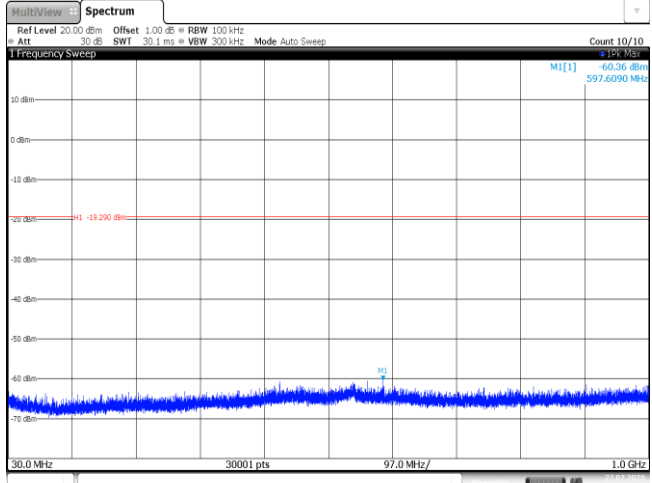
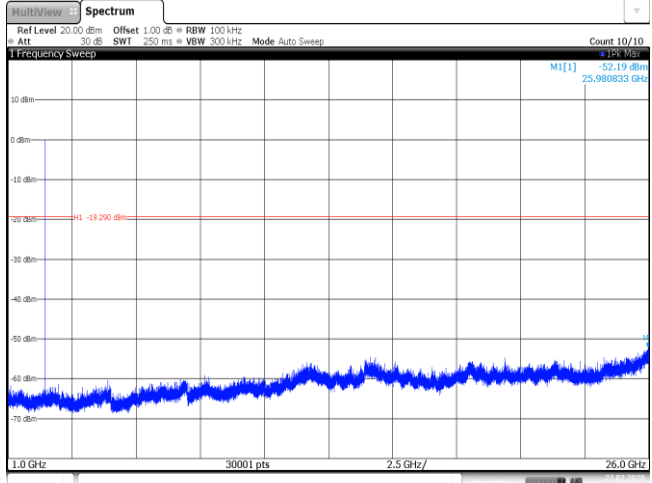
CH78  
Hoppig mode

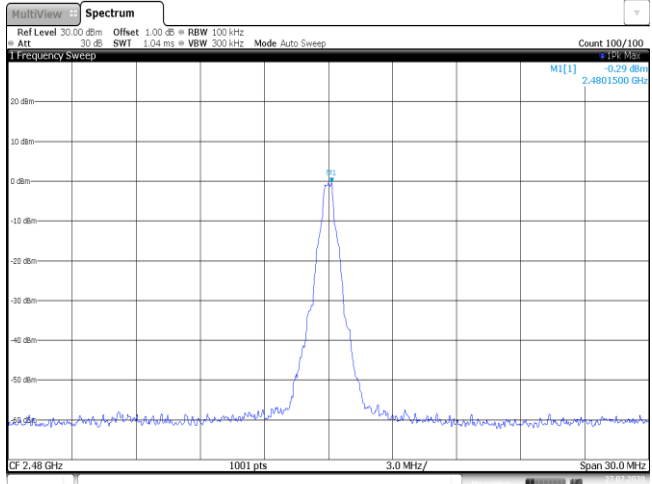
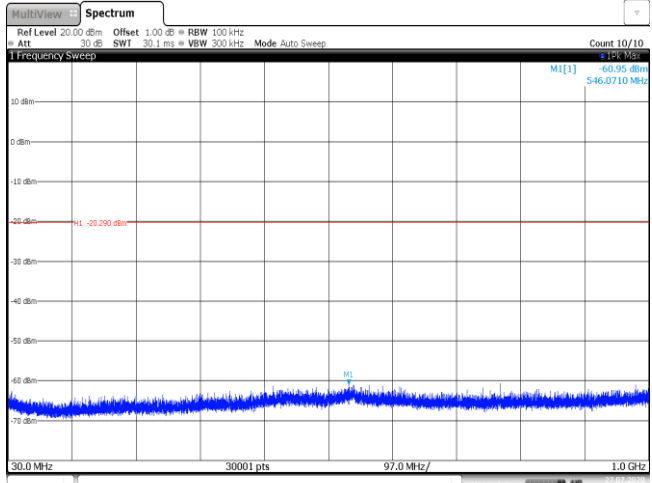
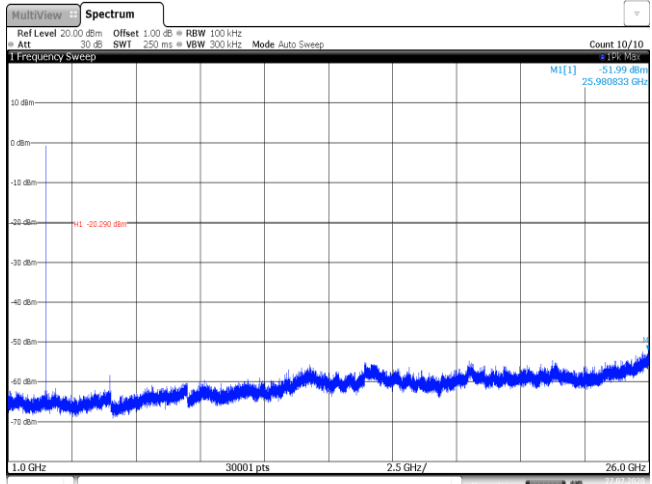


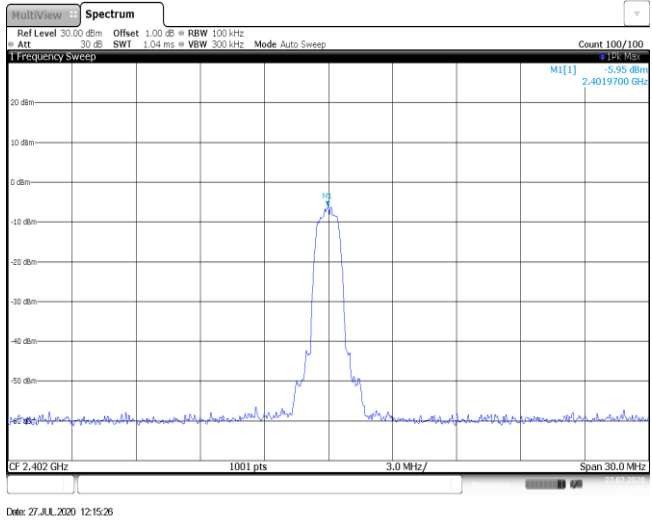
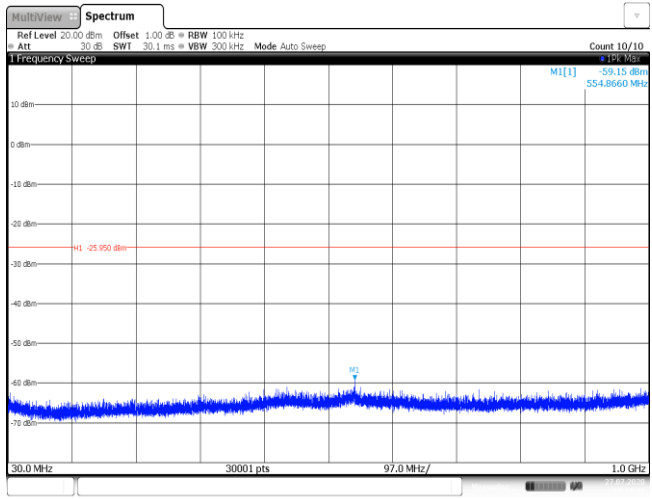
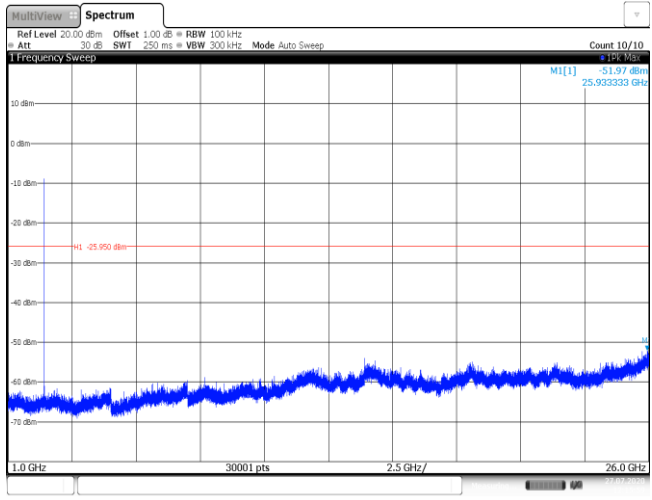
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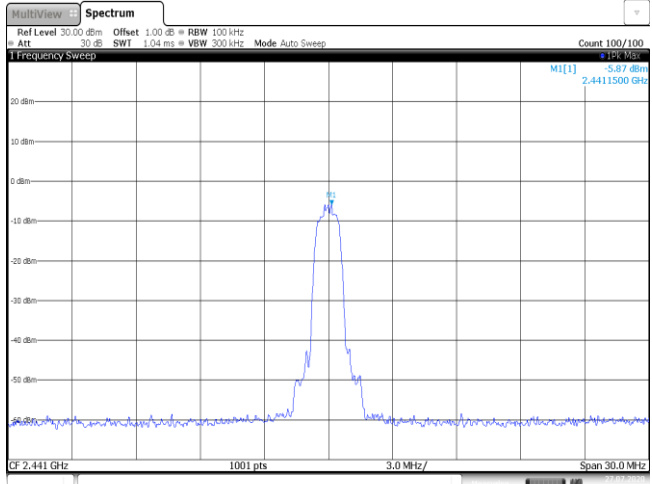
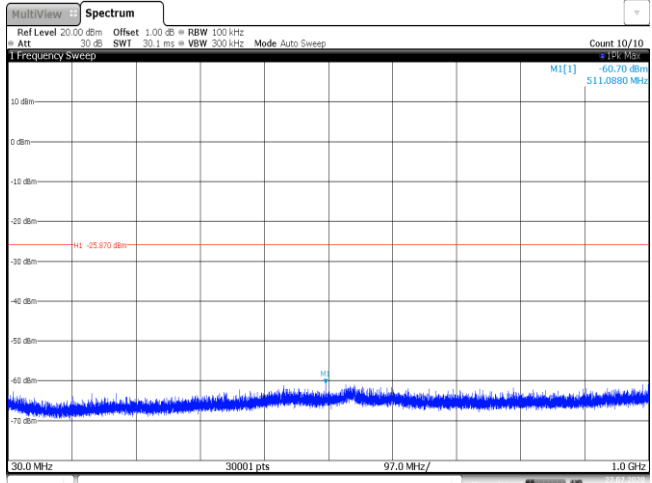
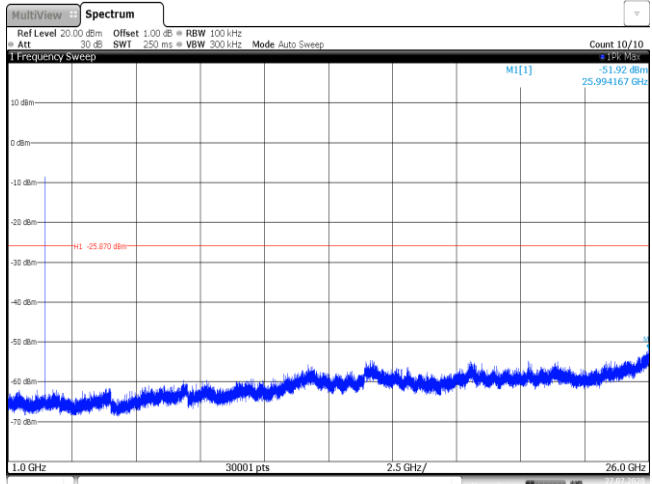


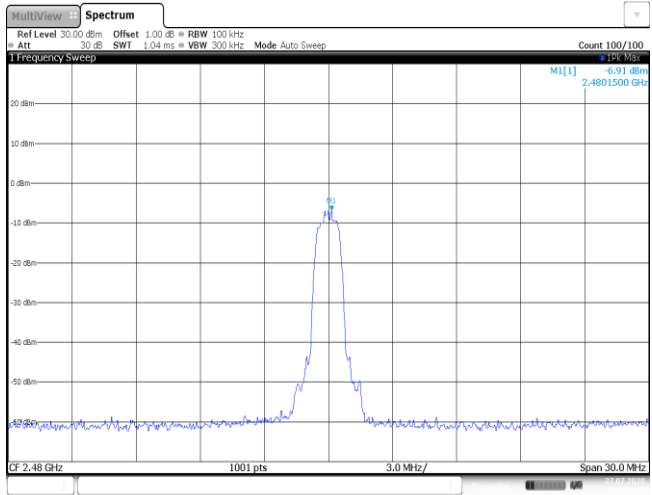
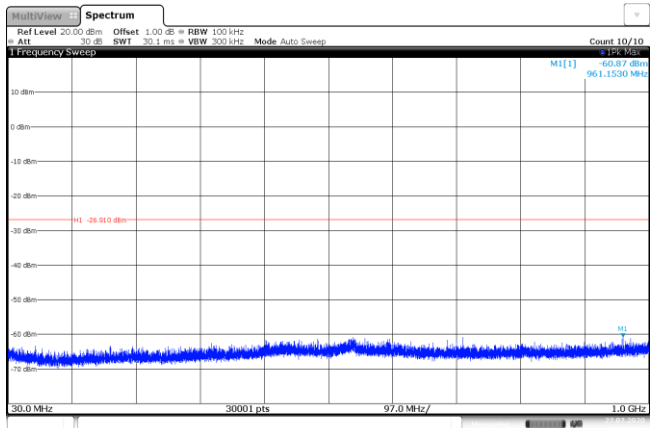
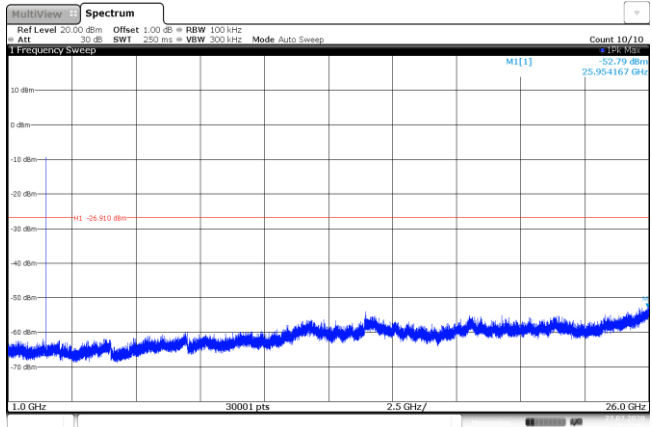
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<p>CH00 30MHz~1000MHz</p>			
<p>CH00 1GHz~26GHz</p>			

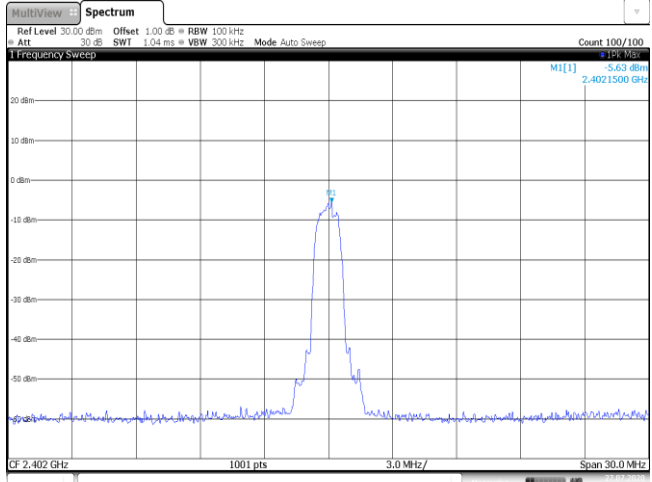
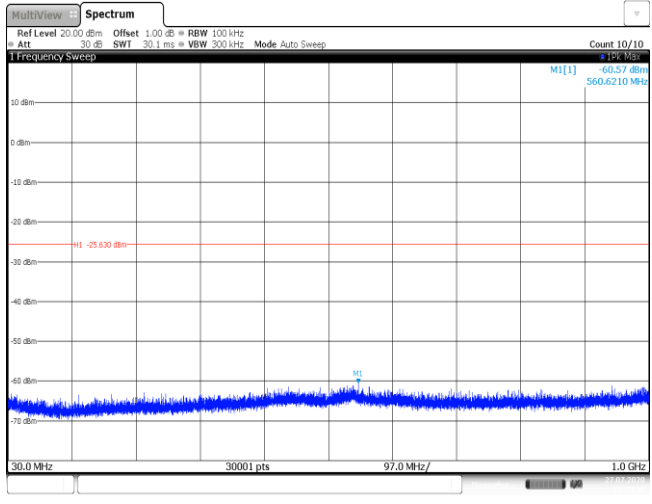
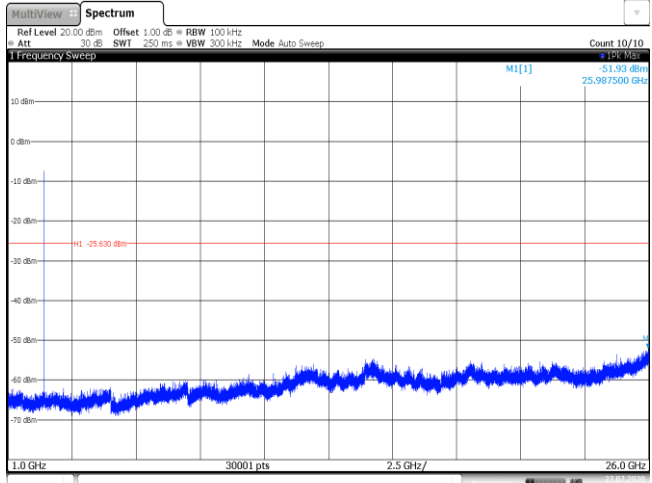
<p>CH39 Reference level</p>	 <p>The plot shows a single sharp peak at 2.441500 GHz with a magnitude of 0.71 dBm. The y-axis ranges from -60 dBm to 20 dBm, and the x-axis shows a 3.0 MHz span centered at 2.441 GHz.</p>
<p>CH39 30MHz~1000MHz</p>	 <p>The plot shows a noise floor across the 30 MHz to 1000 MHz range. A marker at 597.6090 MHz indicates a level of -60.36 dBm. A red horizontal line is drawn at -19.00 dBm. The y-axis ranges from -70 dBm to 10 dBm, and the x-axis shows a 97.0 MHz span.</p>
<p>CH39 1GHz~26GHz</p>	 <p>The plot shows a noise floor across the 1 GHz to 26 GHz range. A marker at 25.980833 GHz indicates a level of -52.19 dBm. A red horizontal line is drawn at -19.00 dBm. The y-axis ranges from -70 dBm to 10 dBm, and the x-axis shows a 2.5 GHz span.</p>

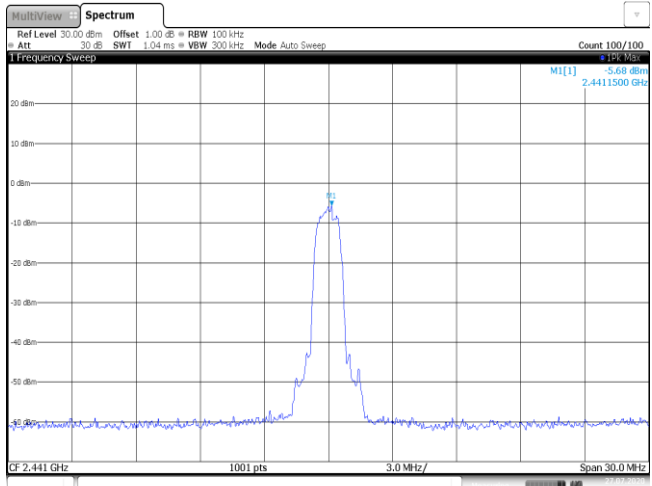
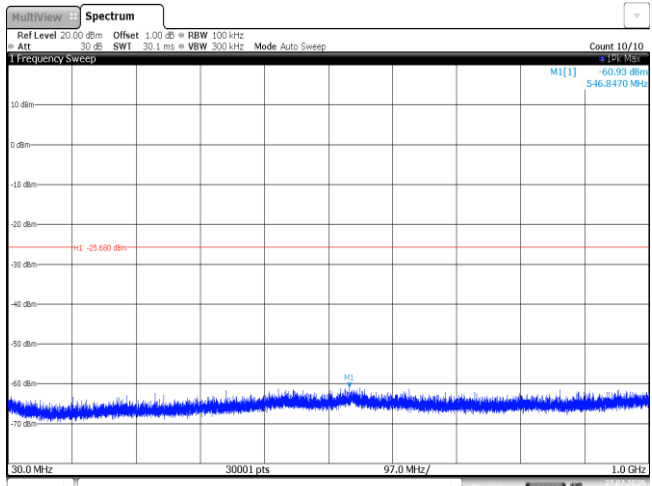
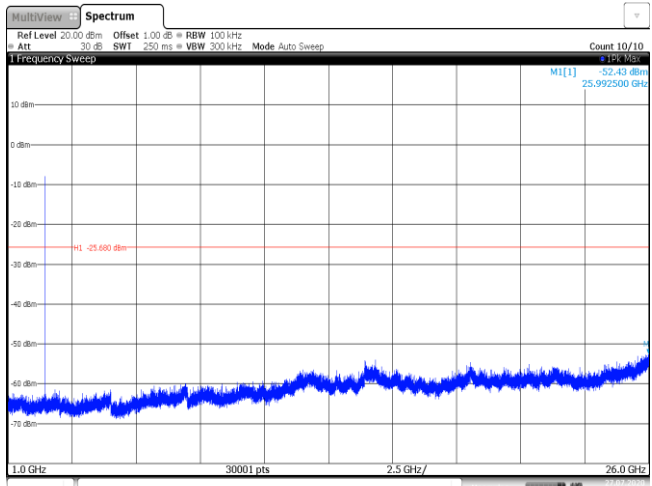
<p>CH78 Reference level</p>	 <p>MultiView Spectrum              Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz              Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep              Count 100/100              1 Frequency Sweep              MI[1] -0.29 dBm              2.4801500 GHz              CF 2.48 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz              Date: 27.JUL.2020 11:34:13</p>
<p>CH78 30MHz~1000MHz</p>	 <p>MultiView Spectrum              Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz              Att 30 dB SWI 30.1 ms VBW 300 kHz Mode Auto Sweep              Count 10/10              1 Frequency Sweep              MI[1] -60.95 dBm              546.0710 MHz              H1 -20.290 dBm              M1              30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz              Date: 27.JUL.2020 11:34:29</p>
<p>CH78 1GHz~26GHz</p>	 <p>MultiView Spectrum              Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz              Att 30 dB SWI 250 ms VBW 300 kHz Mode Auto Sweep              Count 10/10              1 Frequency Sweep              MI[1] -51.99 dBm              25.980833 GHz              H1 -20.290 dBm              M1              1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz              Date: 27.JUL.2020 11:34:45</p>

Test Item:	Spurious Emission	Modulation type:	$\pi/4$ DQPSK
<p>CH00 Reference level</p>	 <p>Date: 27.JUL.2020 12:15:26</p>		
<p>CH00 30MHz~1000MHz</p>	 <p>Date: 27.JUL.2020 12:15:43</p>		
<p>CH00 1GHz~26GHz</p>	 <p>Date: 27.JUL.2020 12:15:59</p>		

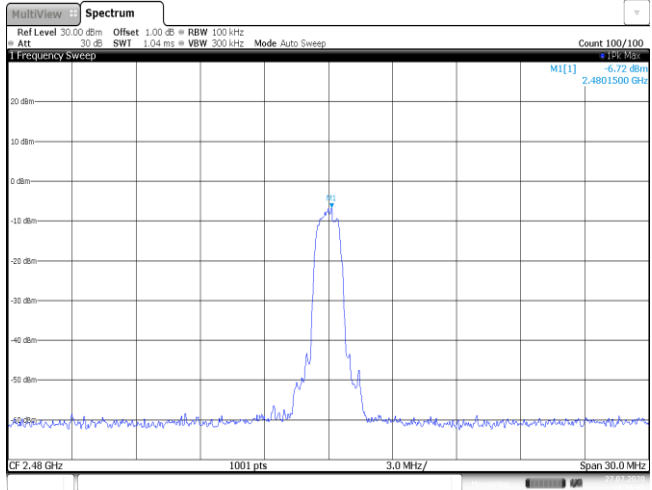
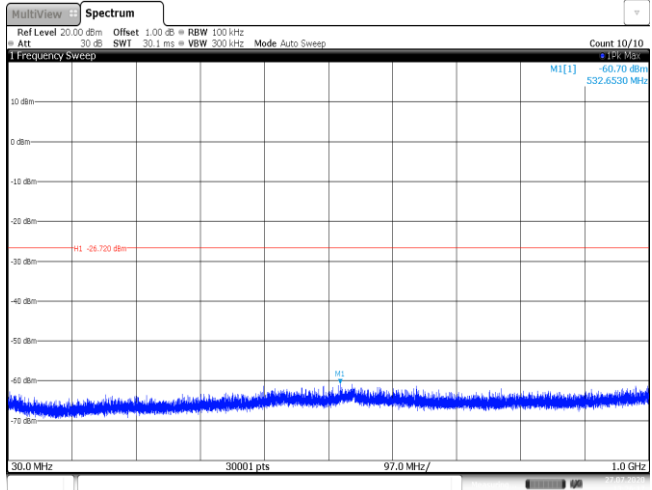
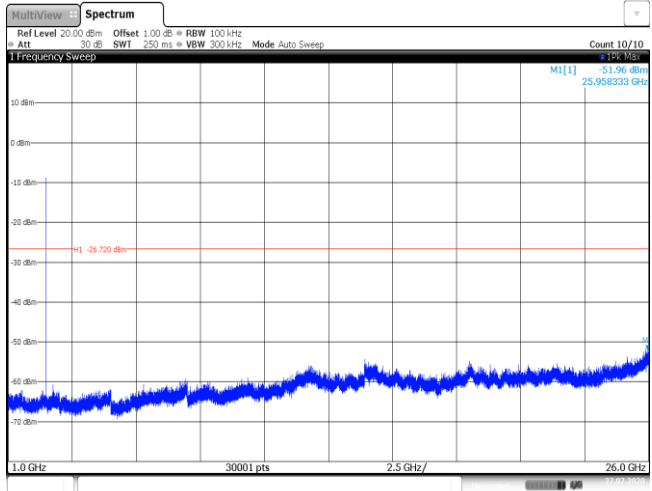
<p>CH39 Reference level</p>	 <p>The plot shows a single sharp peak at 2.441 GHz with a peak level of -5.87 dBm. The y-axis ranges from -80 dBm to 20 dBm, and the x-axis ranges from 2.4 GHz to 2.5 GHz. Parameters include Ref Level 30.00 dBm, Offset 1.00 dB, RBW 100 kHz, and Span 30.0 MHz.</p>
<p>CH39 30MHz~1000MHz</p>	 <p>The plot shows a noise floor across the 30 MHz to 1000 MHz range, with a peak level of -60.70 dBm. The y-axis ranges from -80 dBm to 10 dBm, and the x-axis ranges from 30.0 MHz to 1.0 GHz. A red horizontal line is drawn at -25.670 dBm. Parameters include Ref Level 20.00 dBm, Offset 1.00 dB, RBW 100 kHz, and Span 30.0 MHz.</p>
<p>CH39 1GHz~26GHz</p>	 <p>The plot shows a noise floor across the 1 GHz to 26 GHz range, with a peak level of -51.92 dBm. The y-axis ranges from -80 dBm to 10 dBm, and the x-axis ranges from 1.0 GHz to 26.0 GHz. A red horizontal line is drawn at -25.670 dBm. Parameters include Ref Level 20.00 dBm, Offset 1.00 dB, RBW 100 kHz, and Span 25.0 GHz.</p>

<p>CH78 Reference level</p>	 <p>The spectrum plot shows a single sharp peak at 2.48 GHz. The y-axis represents power in dBm, ranging from -80 to 20. The x-axis represents frequency in MHz, with a span of 30.0 MHz. A measurement point M1[1] is marked at -6.91 dBm at 2.4801500 GHz. The plot title is 'Spectrum' and the date is 27.JUL.2020 13:16:55.</p>
<p>CH78 30MHz~1000MHz</p>	 <p>The spectrum plot shows a noise floor across the 30 MHz to 1000 MHz range. The y-axis ranges from -70 to 20 dBm. The x-axis ranges from 30.0 MHz to 1.0 GHz. A measurement point M1 is marked at -28.910 dBm. The plot title is 'Spectrum' and the date is 27.JUL.2020 13:17:17.</p>
<p>CH78 1GHz~26GHz</p>	 <p>The spectrum plot shows a noise floor across the 1 GHz to 26 GHz range. The y-axis ranges from -70 to 20 dBm. The x-axis ranges from 1.0 GHz to 26.0 GHz. A measurement point M1 is marked at -28.910 dBm. The plot title is 'Spectrum' and the date is 27.JUL.2020 13:17:33.</p>

Test Item:	Spurious Emission	Modulation type:	8DPSK
<p>CH00 Reference level</p>	 <p>Date: 27.JUL.2020 13:20:00</p>		
<p>CH00 30MHz~1000MHz</p>	 <p>Date: 27.JUL.2020 13:20:16</p>		
<p>CH00 1GHz~26GHz</p>	 <p>Date: 27.JUL.2020 13:20:32</p>		

<p>CH39 Reference level</p>	 <p>The spectrum plot shows a single sharp peak at 2.441500 GHz. The y-axis represents power in dBm, ranging from -70 to 20. The x-axis represents frequency in MHz, with a span of 30.0 MHz. The peak is labeled with a magnitude of -5.68 dBm. The plot includes technical parameters: Ref Level 30.00 dBm, Offset 1.00 dB, RBW 100 kHz, Att 30 dB, SWI 1.04 ms, VBW 300 kHz, Mode Auto Sweep, Count 100/100, and Date 27.JUL.2020 13:23:50.</p>
<p>CH39 30MHz~1000MHz</p>	 <p>The spectrum plot shows a noise floor across the 30 MHz to 1000 MHz range. The y-axis ranges from -70 to 10 dBm. The x-axis ranges from 30.0 MHz to 1.0 GHz. A horizontal red line indicates a noise floor level of -25.680 dBm. A peak is labeled with a magnitude of -60.93 dBm at 546.8470 MHz. The plot includes technical parameters: Ref Level 20.00 dBm, Offset 1.00 dB, RBW 100 kHz, Att 30 dB, SWI 30.1 ms, VBW 300 kHz, Mode Auto Sweep, Count 10/10, and Date 27.JUL.2020 13:24:06.</p>
<p>CH39 1GHz~26GHz</p>	 <p>The spectrum plot shows a noise floor across the 1 GHz to 26 GHz range. The y-axis ranges from -70 to 10 dBm. The x-axis ranges from 1.0 GHz to 26.0 GHz. A horizontal red line indicates a noise floor level of -25.680 dBm. A peak is labeled with a magnitude of -52.43 dBm at 25.992500 GHz. The plot includes technical parameters: Ref Level 20.00 dBm, Offset 1.00 dB, RBW 100 kHz, Att 30 dB, SWI 250 ms, VBW 300 kHz, Mode Auto Sweep, Count 10/10, and Date 27.JUL.2020 13:24:22.</p>



<p>CH78 Reference level</p>	 <p>The spectrum plot shows a single sharp peak at 2.48 GHz. The y-axis represents power in dBm, ranging from -80 to 20. The x-axis represents frequency in MHz, with a span of 30.0 MHz. A peak marker M1[1] is positioned at the top of the peak, indicating a power level of -6.72 dBm. The plot title is 'Spectrum' and the date is 27.JUL.2020 13:26:00.</p>
<p>CH78 30MHz~1000MHz</p>	 <p>The spectrum plot shows a noise floor across the 30 MHz to 1000 MHz range. The y-axis ranges from -80 to 10 dBm. A red horizontal line is drawn at -26.720 dBm. A peak marker M1[1] is located at 532.6530 MHz with a power level of -60.70 dBm. The plot title is 'Spectrum' and the date is 27.JUL.2020 13:26:17.</p>
<p>CH78 1GHz~26GHz</p>	 <p>The spectrum plot shows a noise floor across the 1 GHz to 26 GHz range. The y-axis ranges from -80 to 10 dBm. A red horizontal line is drawn at -26.720 dBm. A peak marker M1[1] is located at 25.956333 GHz with a power level of -51.96 dBm. The plot title is 'Spectrum' and the date is 27.JUL.2020 13:26:33.</p>

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