

# APPENDIX REPORT

Project No.	SHT2005106801EW	Radio Specification	Bluetooth EDR
Test sample No.	YPHT20050108002	Model No.	L14WA1S
Start test date	2020/6/4	Finish date	2020/6/4
Temperature	25°C	Humidity	50%
Test Engineer	JiongSheng.Feng	Auditor	<i>William.wang</i>

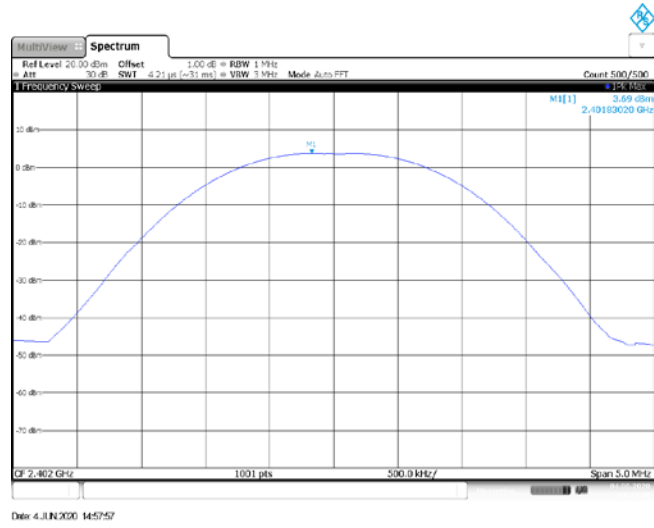
Appendix clause	Test item	Result
A	Peak Output Power	PASS
B	20 dB Bandwidth	PASS
C	99% Occupied Bandwidth	PASS
D	Carrier Frequencies Separation	PASS
E	Hopping Channel Number	PASS
F	Dwell Time	PASS
G	Duty Cycle Correction Factor (DCCF)	PASS
H	Band edge and Spurious Emissions(coducted)	PASS

**Appendix A: Peak Output Power**

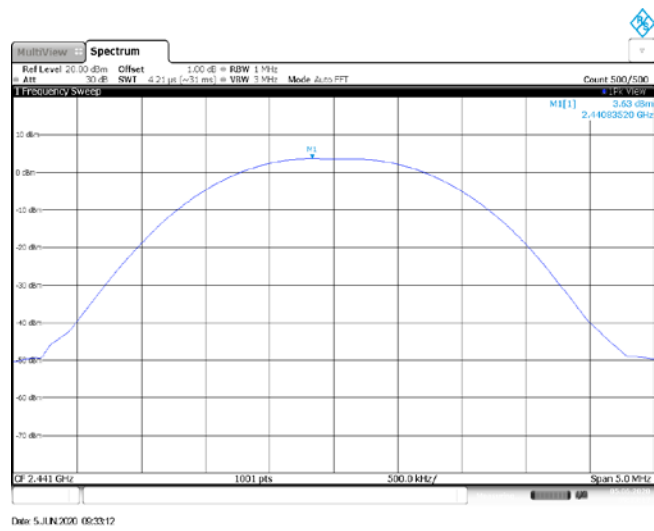
Modulation type	Channel	Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
GFSK	00	3.71	3.70	≤ 30.00	Pass
	39	3.63	3.61		
	78	3.86	3.85		
π/4DQPSK	00	5.69	5.10	≤ 21.00	Pass
	39	5.68	5.10		
	78	5.30	4.72		
8DPSK	00	5.83	5.16	≤ 21.00	Pass
	39	5.81	5.10		
	78	5.47	4.78		

**Modulation Type: GFSK**

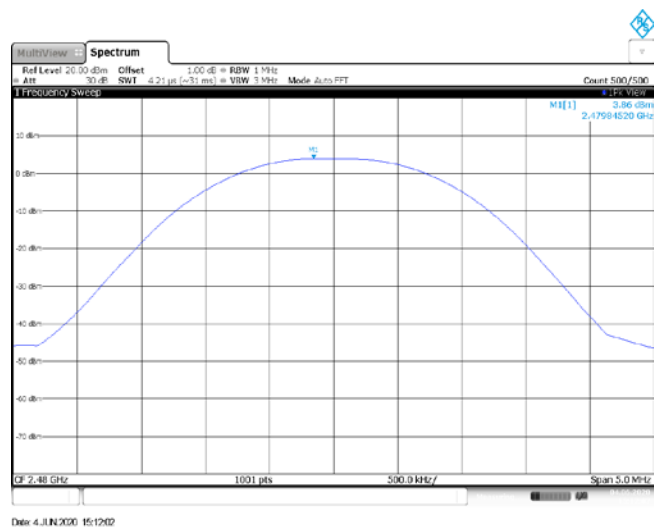
CH00



CH39

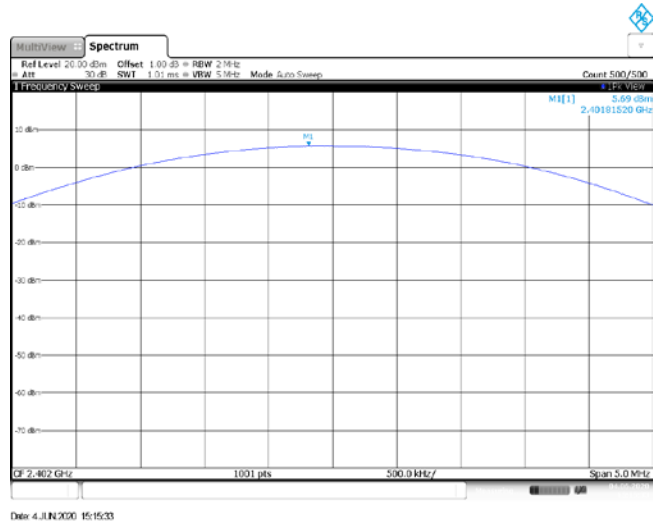


CH78

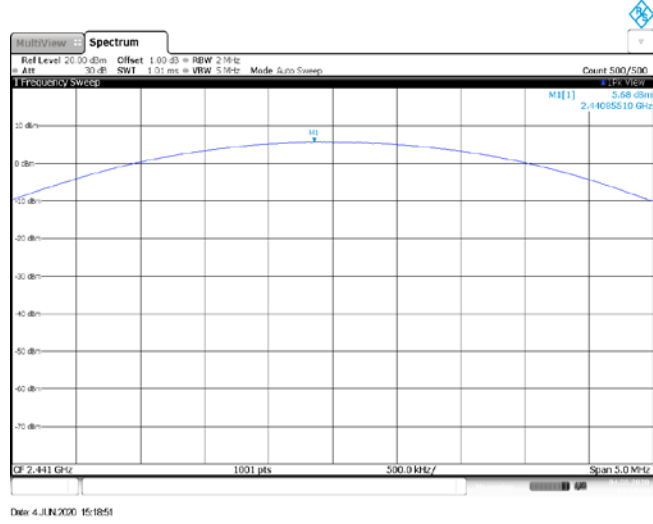


**Modulation Type:**  $\pi/4$ DQPSK

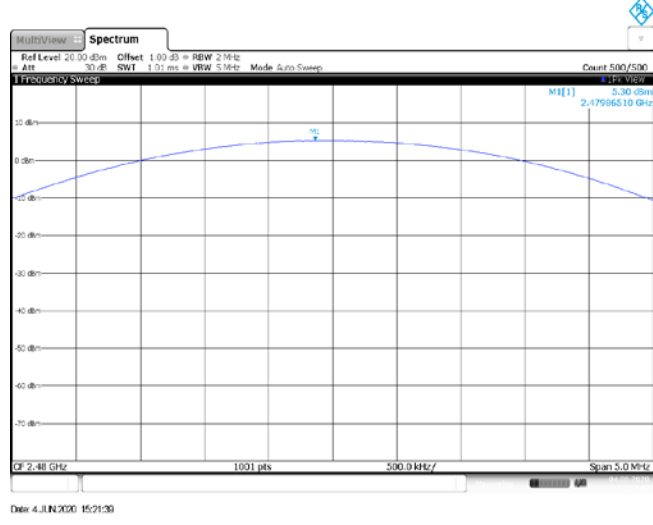
CH00



CH39

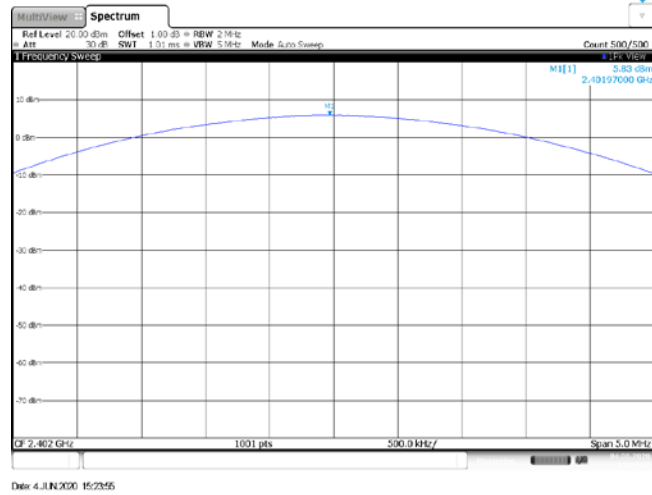


CH78

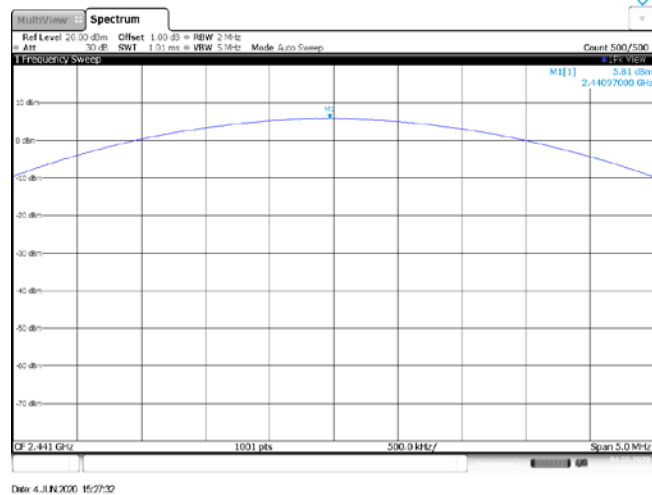


**Modulation Type: 8DPSK**

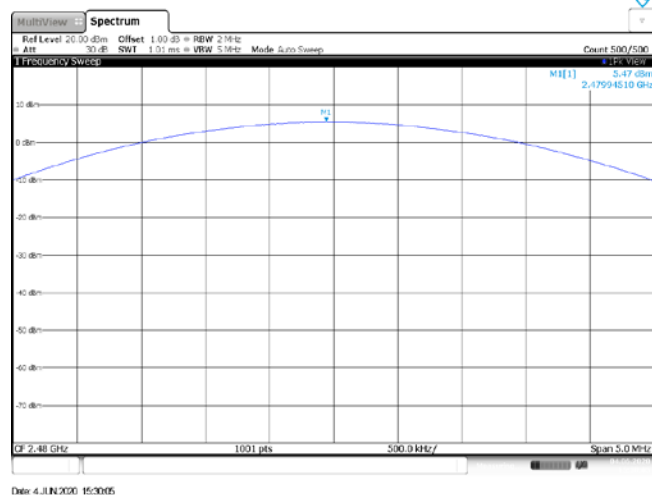
CH00



CH39



CH78

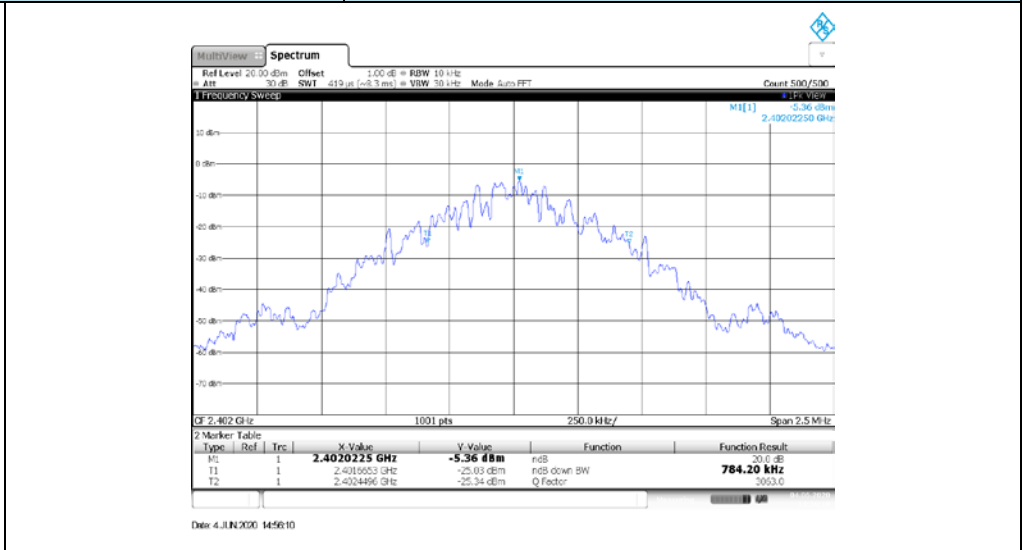


**Appendix B : 20 dB Bandwidth**

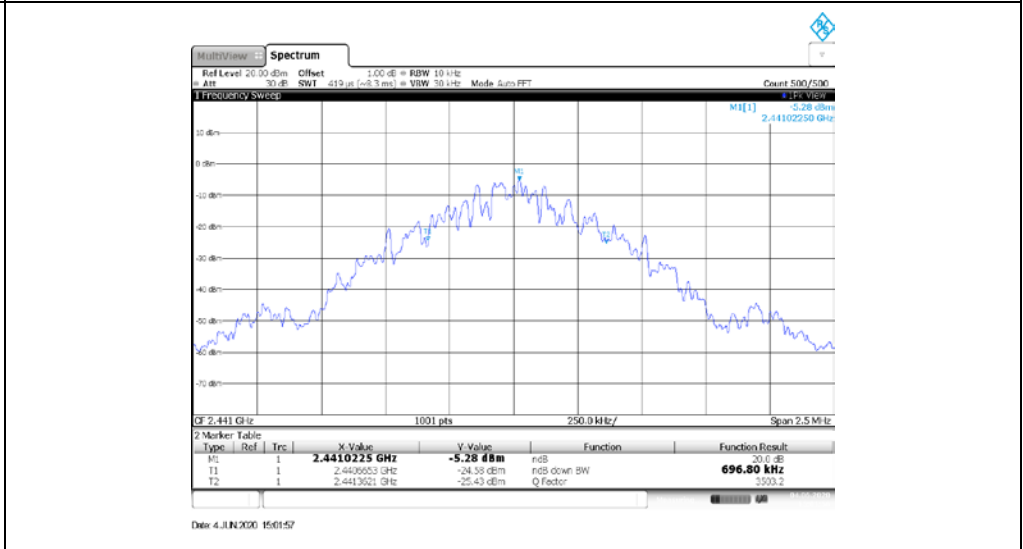
Modulation type	Channel	20 dB Bandwidth (kHz)	Limit (kHz)	Result
GFSK	00	784.20	-	Pass
	39	696.80		
	78	784.20		
$\pi/4$ DQPSK	00	1362.50	-	Pass
	39	1362.50		
	78	1365.00		
8DPSK	00	1302.50	-	Pass
	39	1322.50		
	78	1305.00		

**Modulation Type: GFSK**

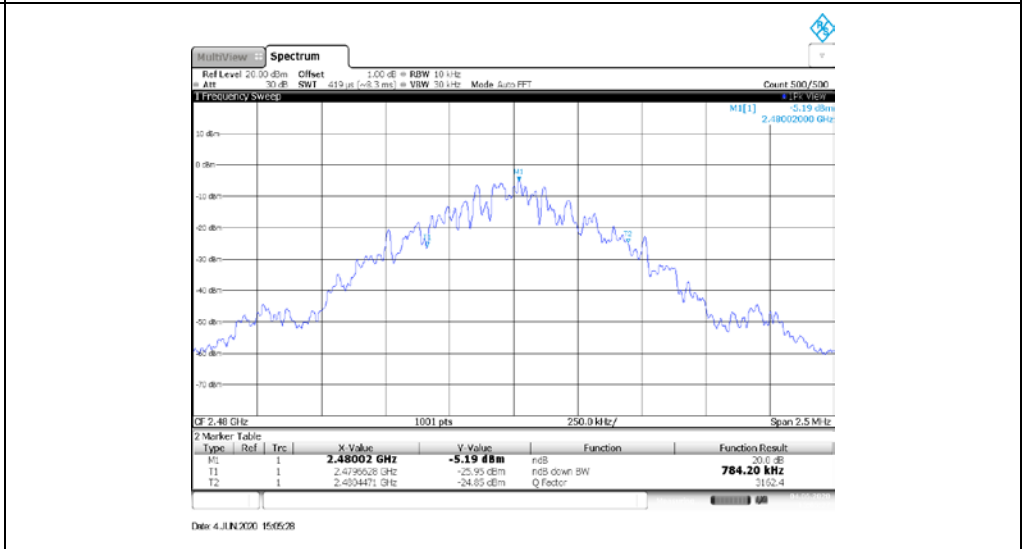
CH00



CH39

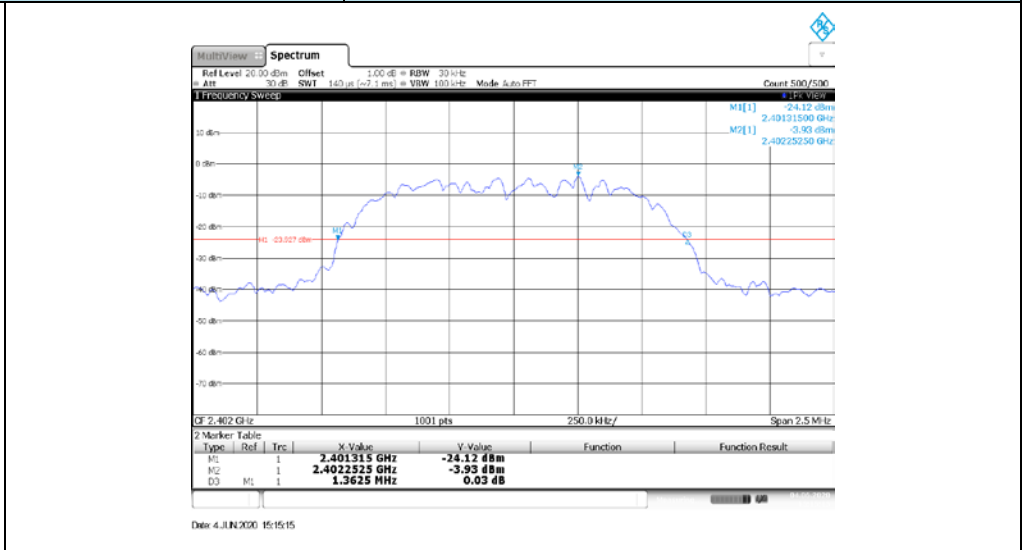


CH78

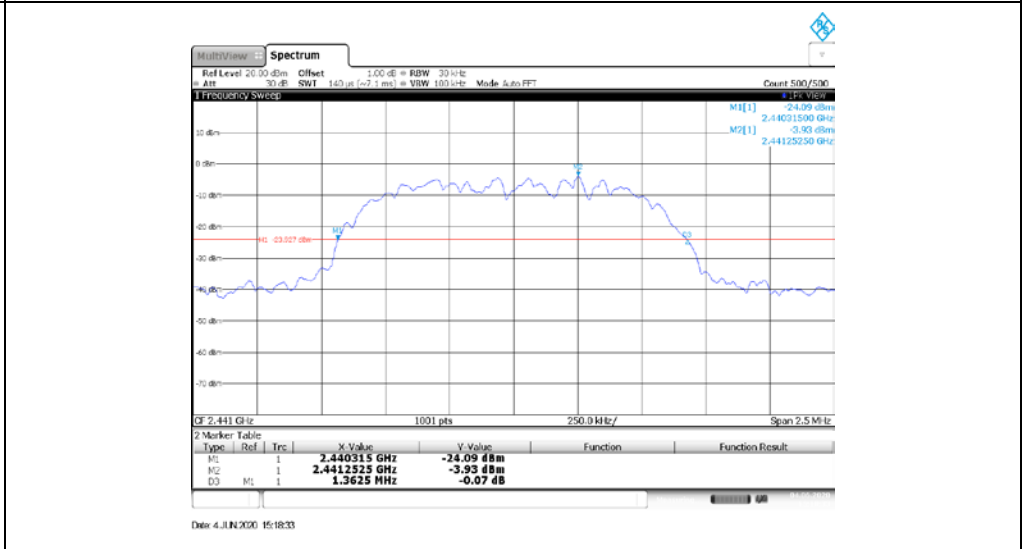


**Modulation Type:**  $\pi/4$ DQPSK

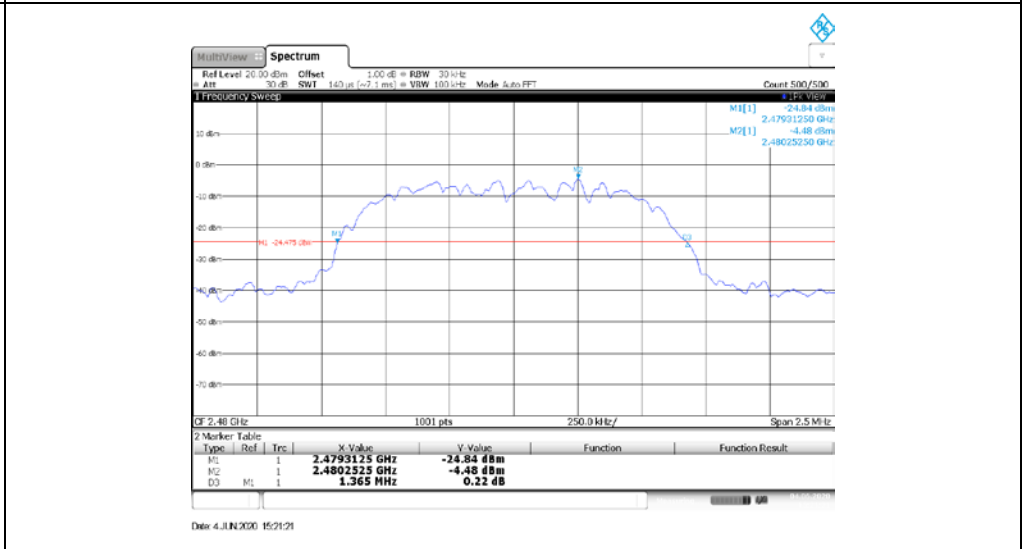
CH00



CH39



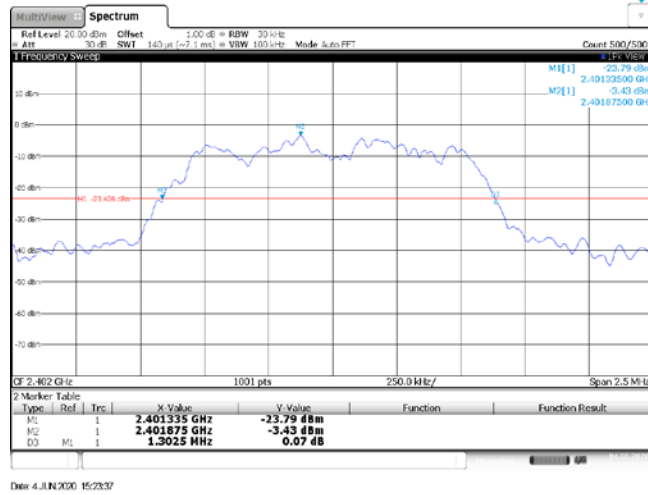
CH78



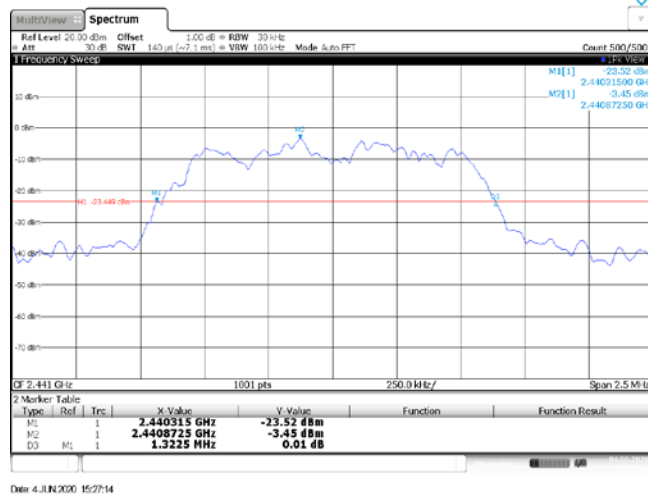


**Modulation Type: 8DPSK**

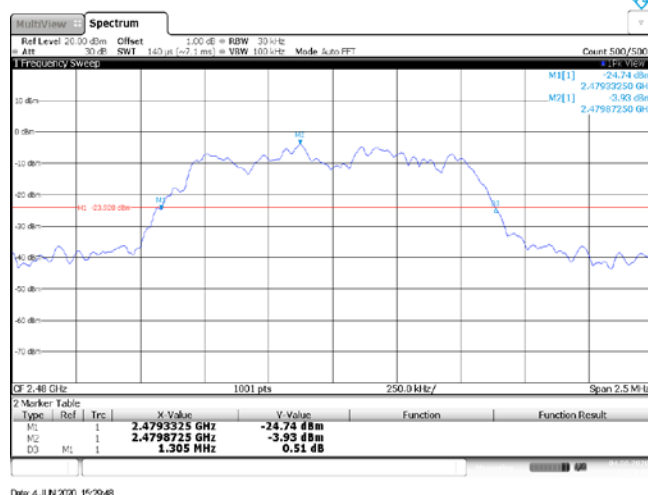
CH00



CH39



CH78

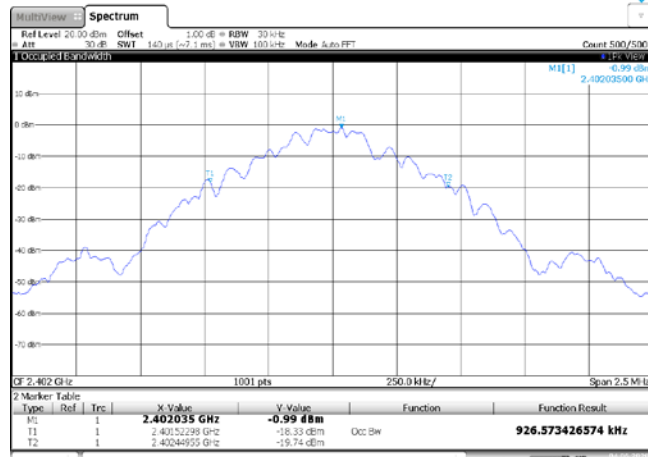


**Appendix C: 99% Occupied Bandwidth**

Modulation type	Channel	99% Occupied Bandwidth (MHz)	Limit (MHz)	Result
GFSK	00	0.93	-	Pass
	39	0.93		
	78	0.93		
$\pi/4$ DQPSK	00	1.20	-	Pass
	39	1.20		
	78	1.20		
8DPSK	00	1.18	-	Pass
	39	1.18		
	78	1.18		

**Modulation Type: GFSK**

CH00



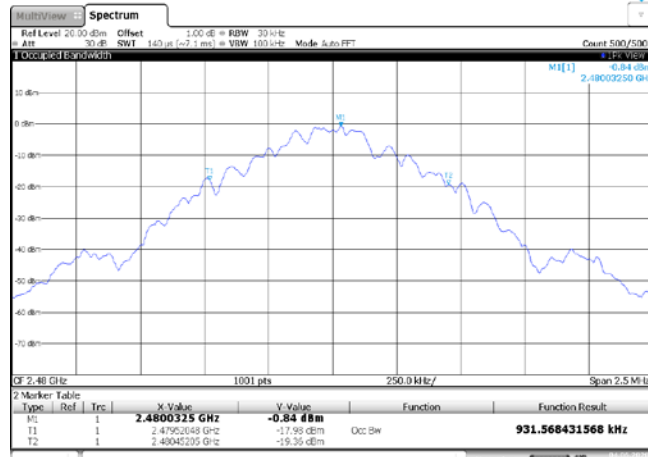
Date: 4 JUN 2020 14:56:18

CH39



Date: 4 JUN 2020 15:02:05

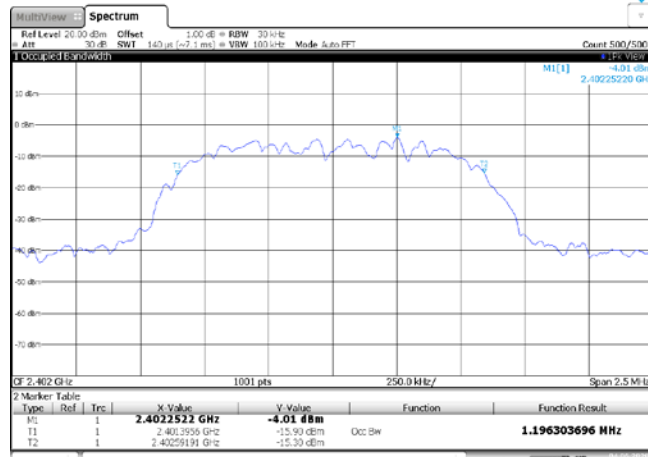
CH78



Date: 4 JUN 2020 15:05:36

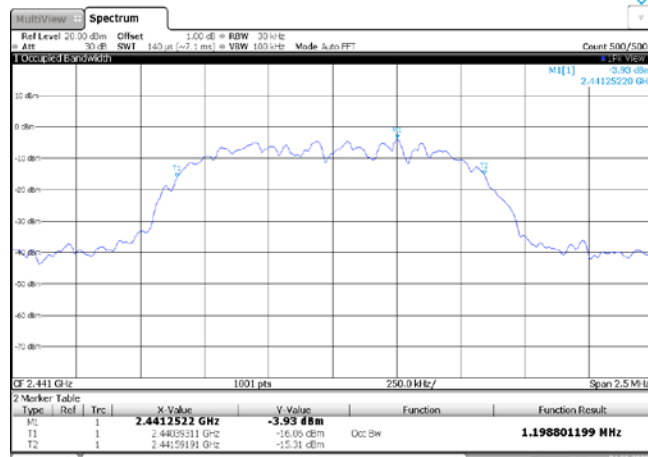
**Modulation Type:**  $\pi/4$ DQPSK

CH00



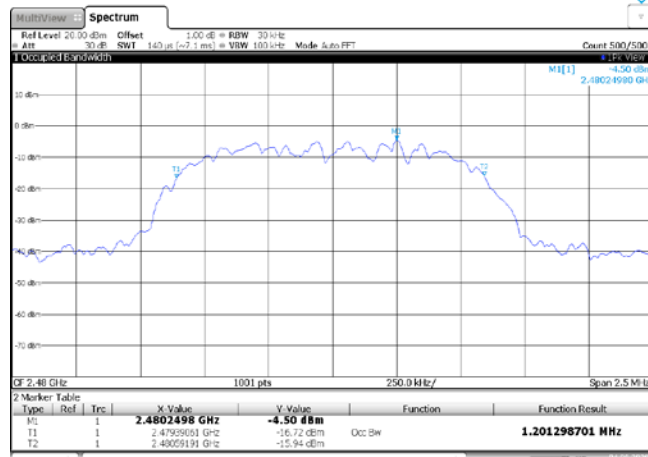
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CH39



Date: 4 JUN 2020 15:18:41

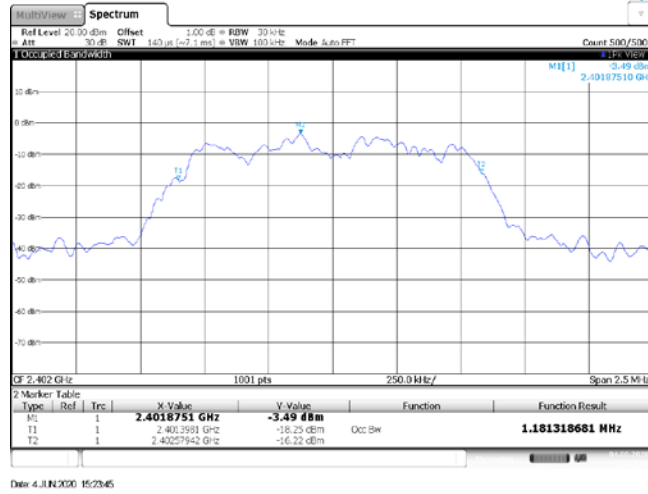
CH78



Date: 4 JUN 2020 15:21:30

**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	≥784.20	Pass
π/4DQPSK	39	1.00	≥910	Pass
8DPSK	39	1.00	≥881.67	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.

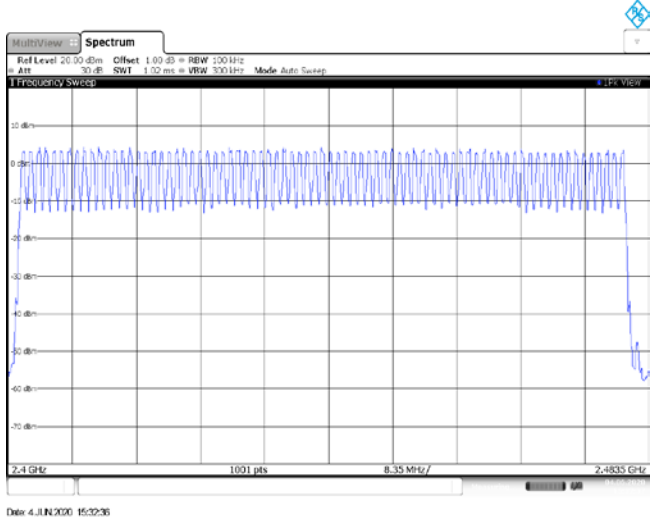
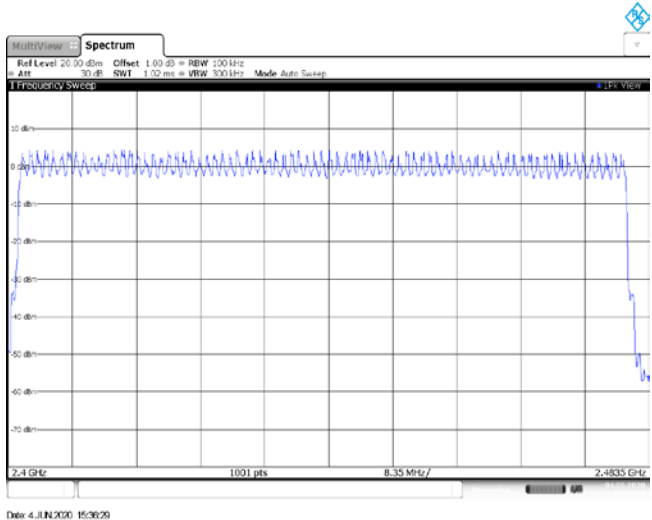
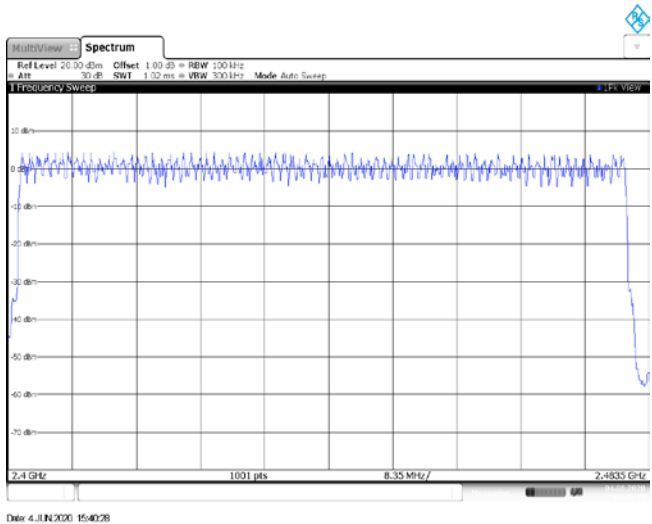
8DPSK limit = 2/3 \* The maximum 20 dB Bandwidth for 8DPSK modulation on the appendix B

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

**Appendix E: Hopping Channel Number**

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



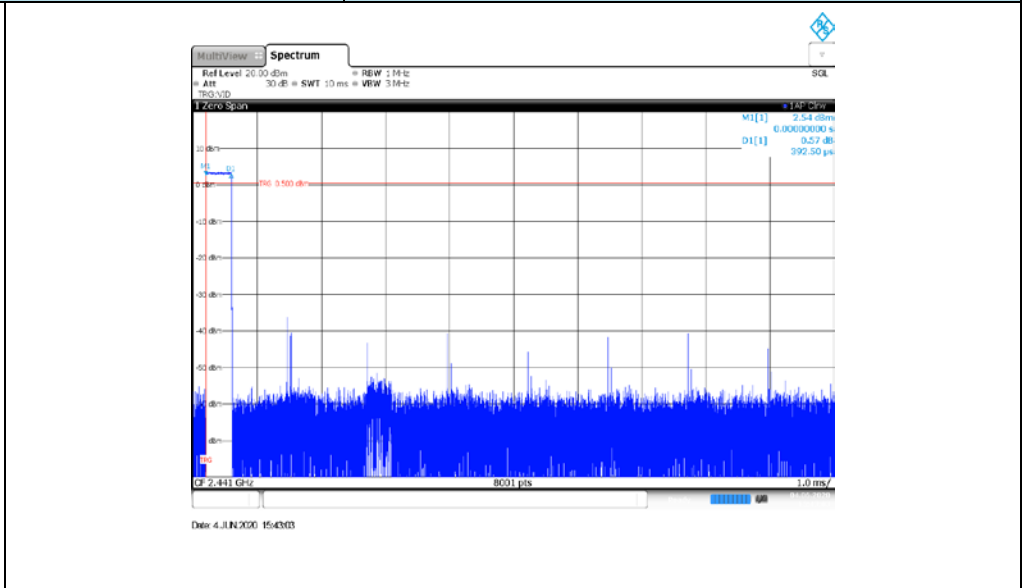
<p>GFSK</p>	
<p><math>\pi/4</math>DQPSK</p>	
<p>8DPSK</p>	

**Appendix F: Dwell Time**

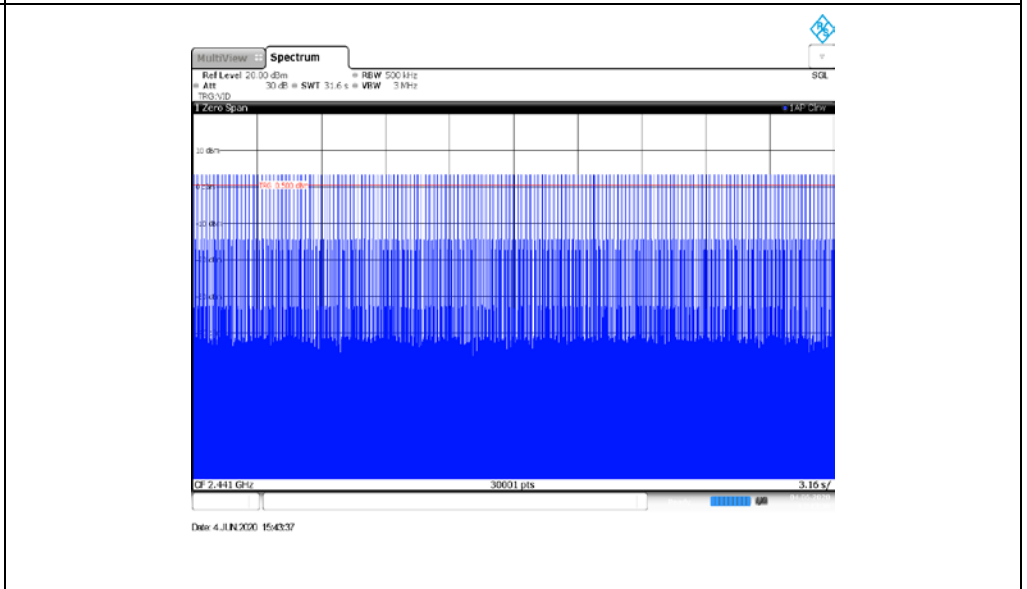
Modulation type	Packet	Burst Width [ms]	Total Hops[hop*ch]	Dwell time (Second)	Limit (Second)	Result
GFSK	DH1	0.39	320	0.13	≤ 0.40	Pass
	DH3	1.65	157	0.26		
	DH5	2.90	102	0.30		
π/4DQPSK	2DH1	0.40	318	0.13	≤ 0.40	Pass
	2DH3	1.65	162	0.27		
	2DH5	2.90	100	0.29		
8DPSK	3DH1	0.40	316	0.13	≤ 0.40	Pass
	3DH3	1.65	166	0.28		
	3DH5	2.91	98	0.28		

**Modulation Type: GFSK**

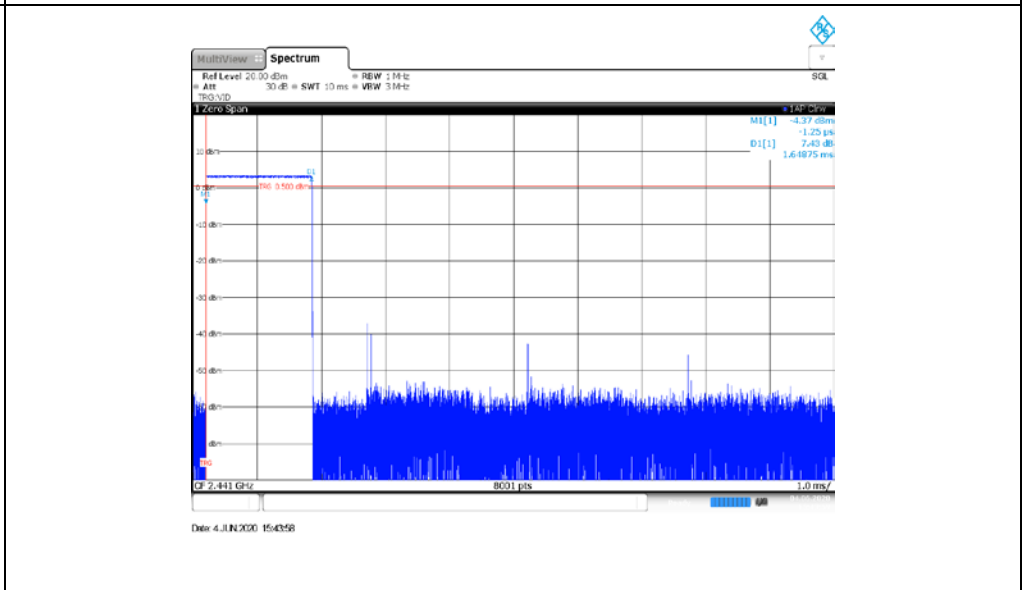
DH1  
Burst width



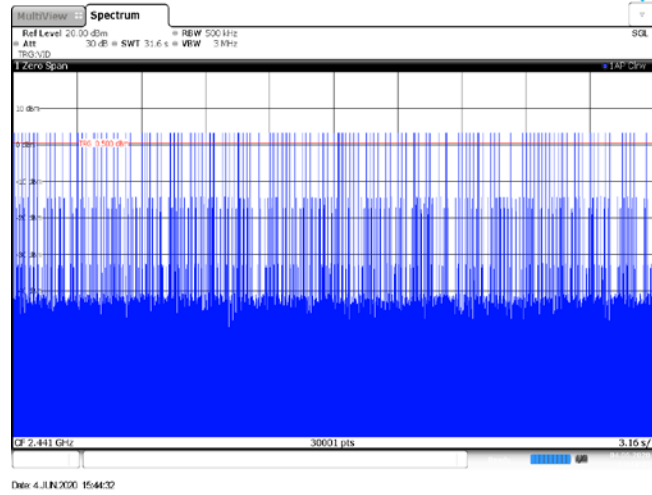
DH1  
Burst number



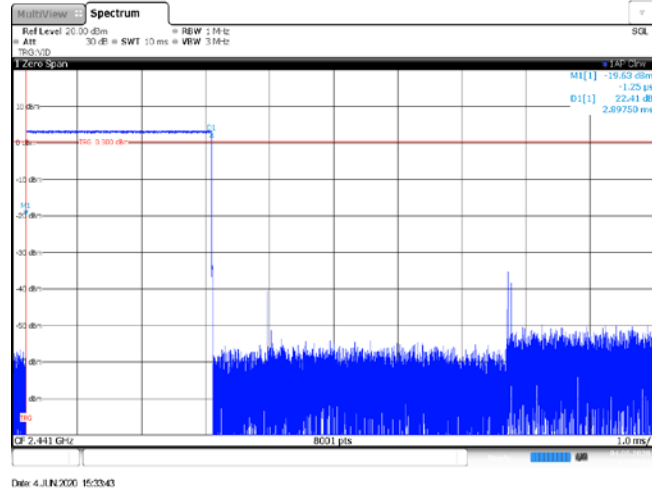
DH3  
Burst width



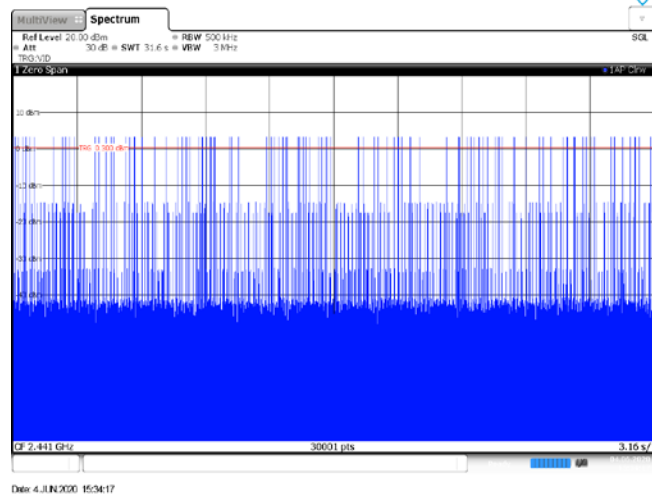
DH3  
Burst number

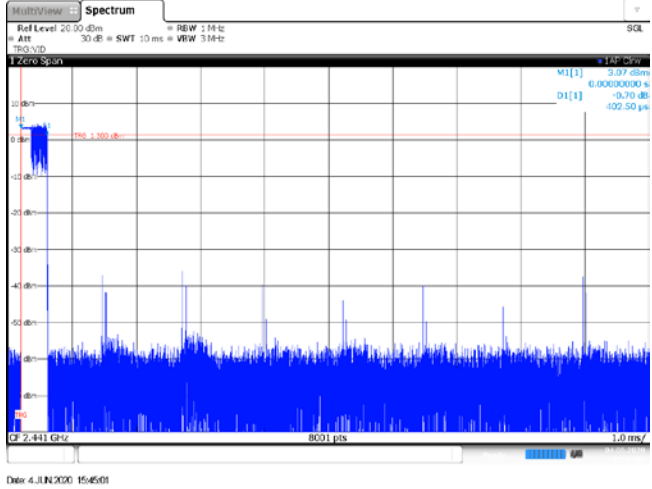
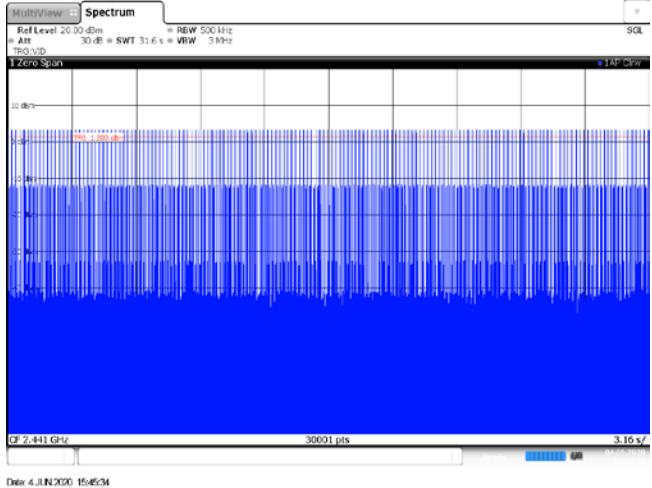
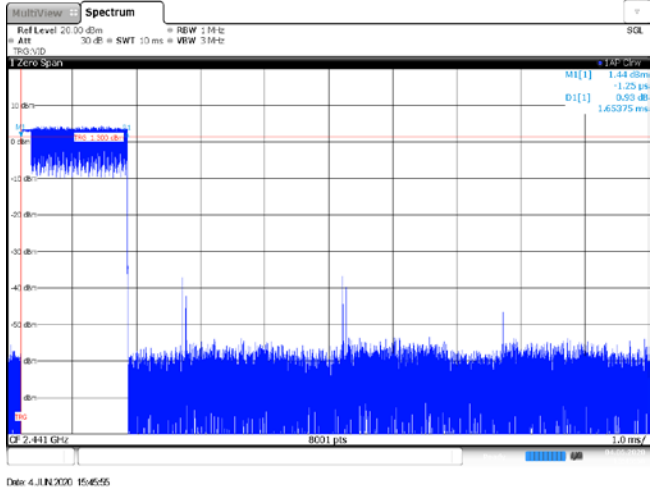


DH5  
Burst width

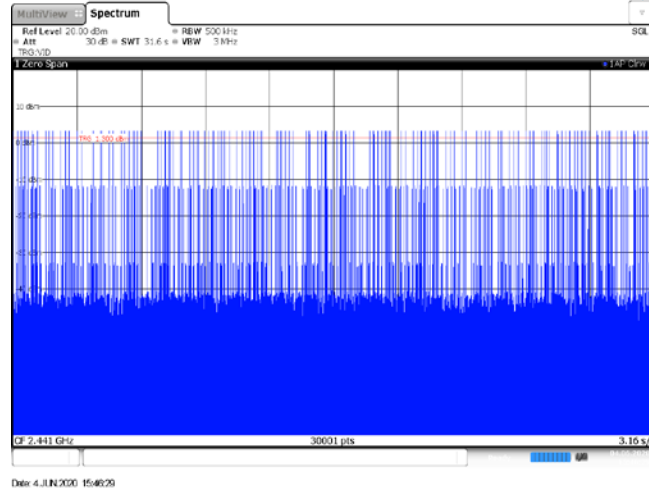


DH5  
Burst number

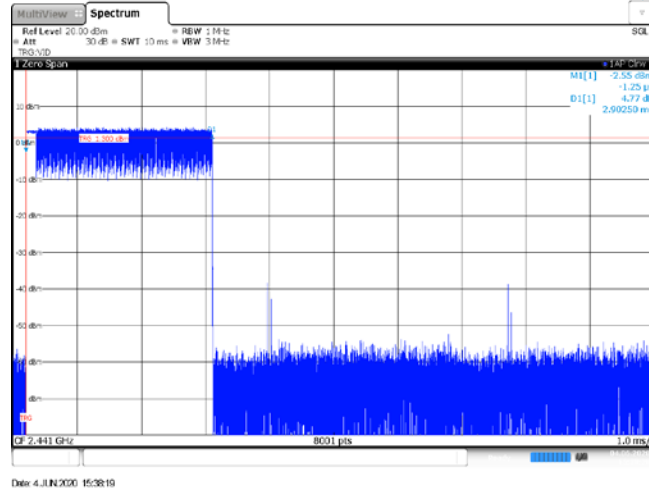


Modulation Type:	$\pi/4$ DQPSK
<p>2DH1 Burst width</p>	 <p>The spectrum plot shows a signal centered at 2.441 GHz. The y-axis represents power in dBm, ranging from -80 to 20. A red horizontal line is drawn at approximately -10 dBm. The signal burst is visible as a blue area above this line. The plot includes parameters: Ref Level 20.00 dBm, Att 30 dB, SWT 10 ms, VEW 3 MHz, RBW 1 MHz, and a span of 8001 pts. Measurement data on the right shows M[1] at 3.07 dBm, D[1] at -0.70 dB, and a duration of 102.50 μs.</p>
<p>2DH1 Burst number</p>	 <p>The spectrum plot shows a signal centered at 2.441 GHz. The y-axis represents power in dBm, ranging from -80 to 20. The plot shows a dense, continuous signal burst. The plot includes parameters: Ref Level 20.00 dBm, Att 30 dB, SWT 31.6 s, VEW 3 MHz, RBW 500 kHz, and a span of 30001 pts. The date and time are 4 JUN 2020 15:45:34.</p>
<p>2DH3 Burst width</p>	 <p>The spectrum plot shows a signal centered at 2.441 GHz. The y-axis represents power in dBm, ranging from -80 to 20. A red horizontal line is drawn at approximately -10 dBm. The signal burst is visible as a blue area above this line. The plot includes parameters: Ref Level 20.00 dBm, Att 30 dB, SWT 10 ms, VEW 3 MHz, RBW 1 MHz, and a span of 8001 pts. Measurement data on the right shows M[1] at 1.44 dBm, D[1] at -1.25 μs, and a duration of 1.65075 ms.</p>

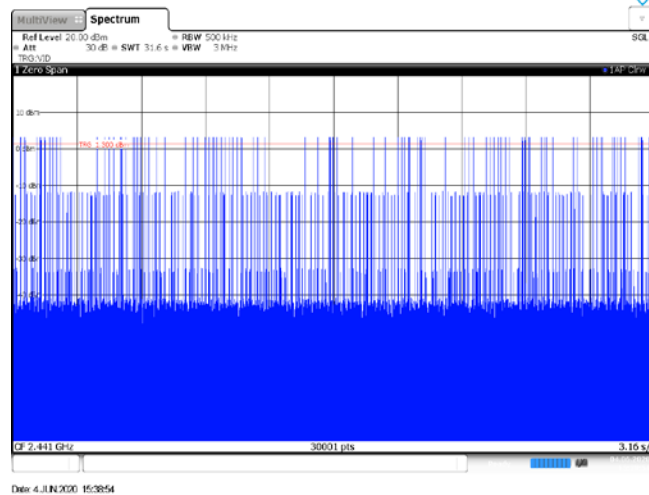
2DH3  
Burst number



2DH5  
Burst width

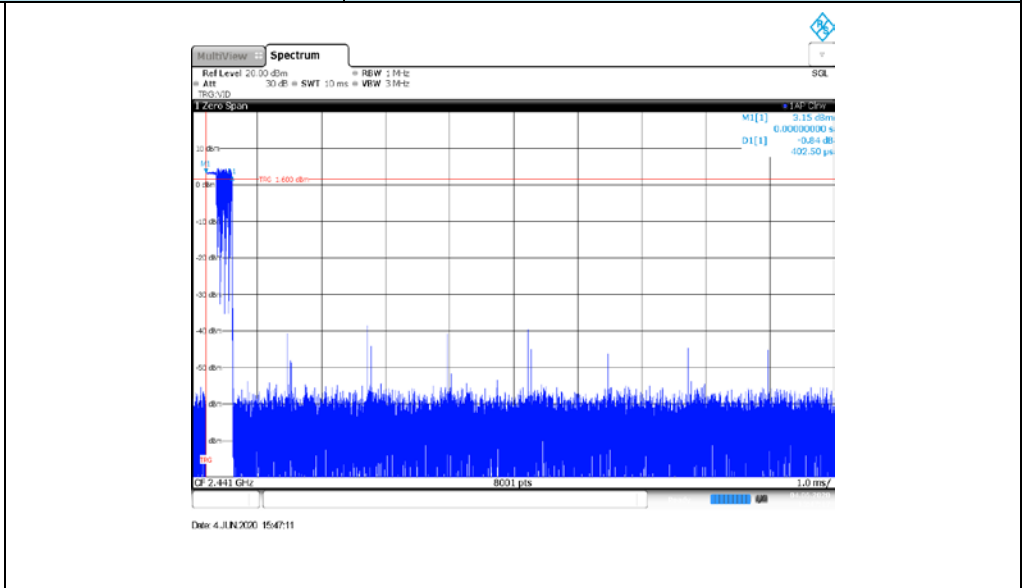


2DH5  
Burst number

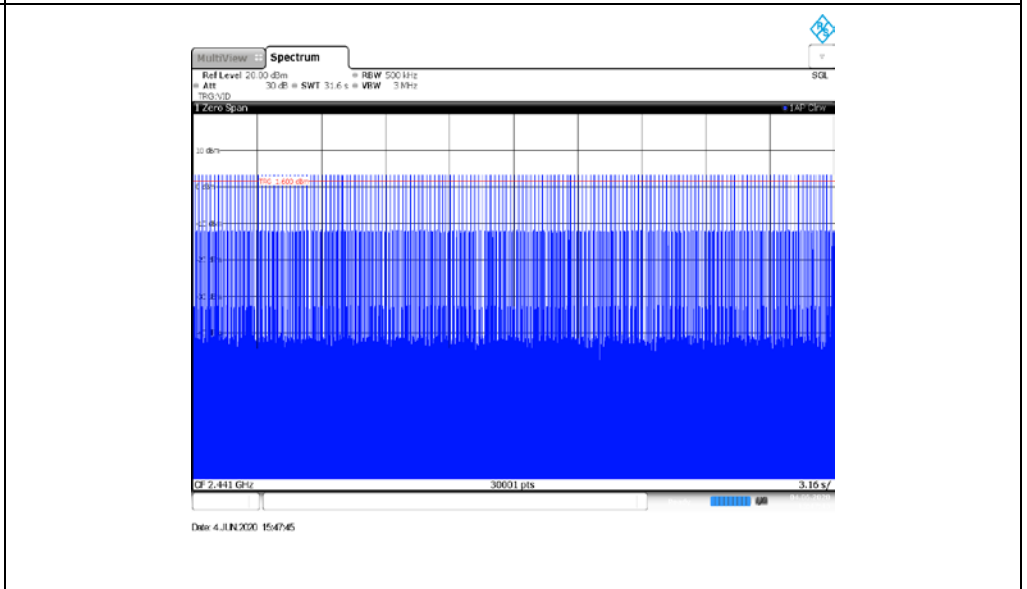


**Modulation Type: 8DPSK**

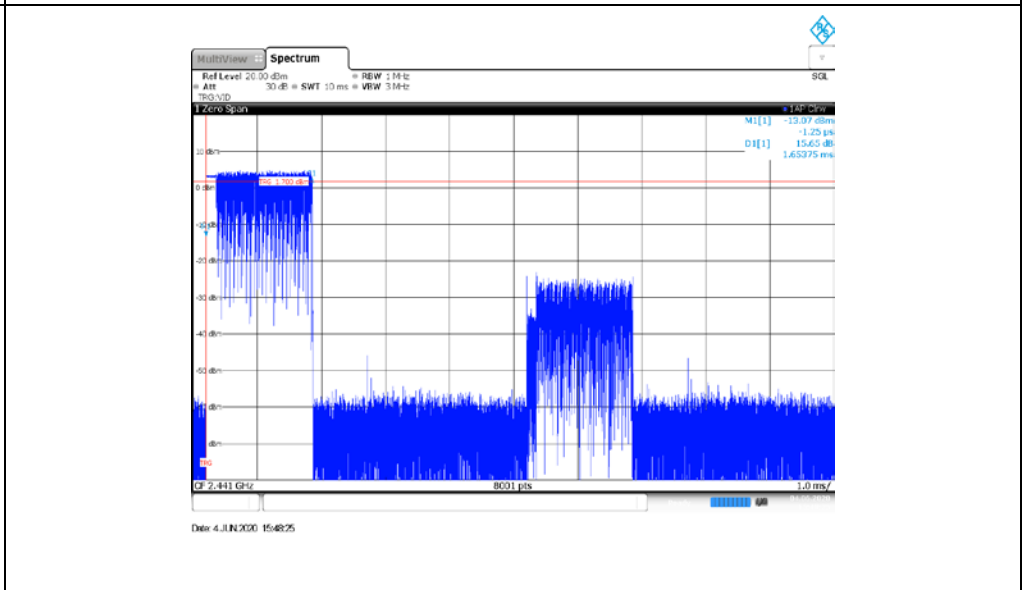
3DH1  
Burst width



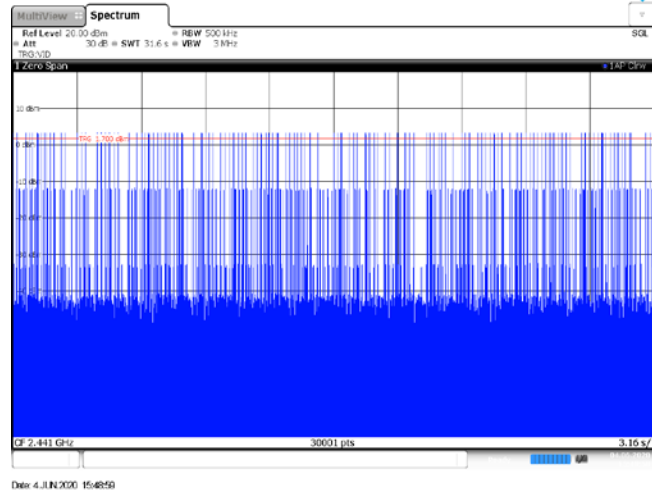
3DH1  
Burst number



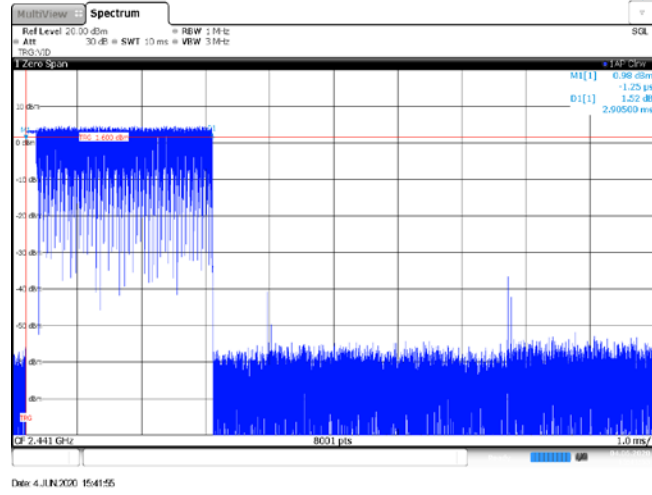
3DH3  
Burst width



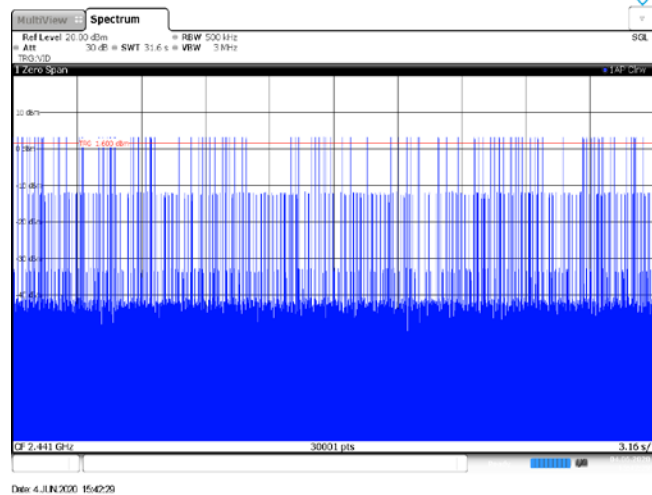
3DH3  
Burst number



3DH5  
Burst width



3DH5  
Burst number

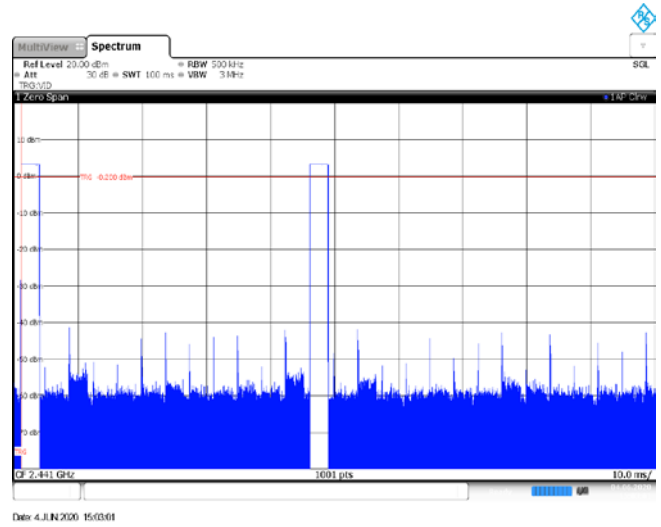
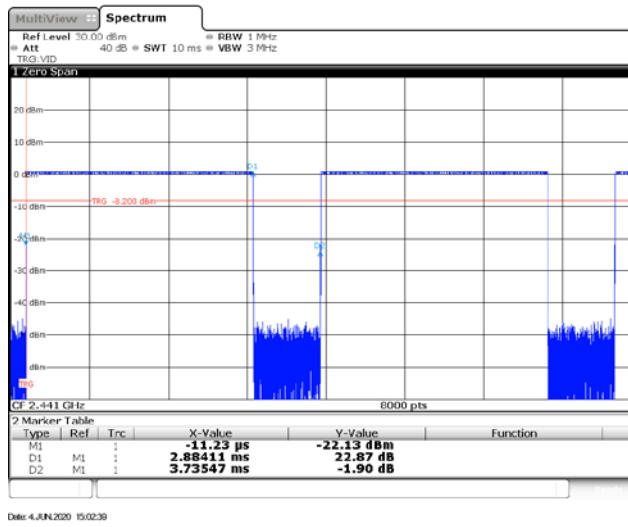




**Appendix G: Duty Cycle Correction Factor (DCCF)**

DCCF Calculate Formula					
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	2.00	-33.98
$\pi/4$ DQPSK	2441	2.88	100	2.00	-33.98
8DPSK	2441	2.88	100	1.00	-40.00

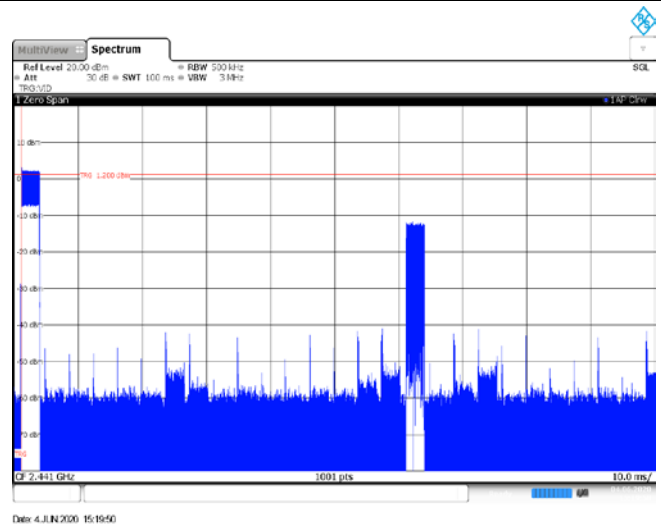
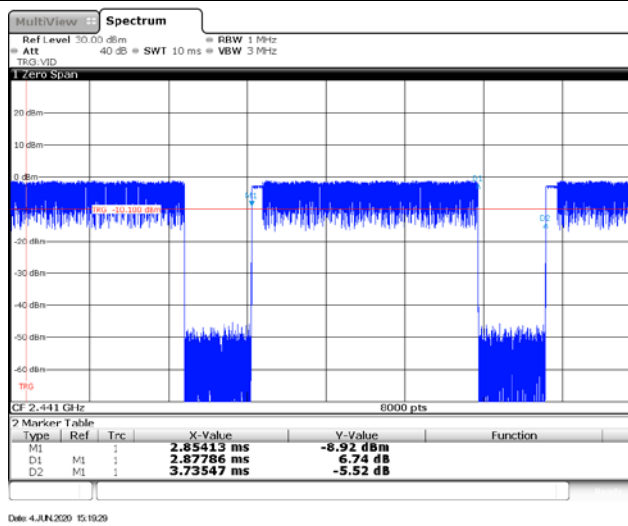
GFSK



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

Burst Quantity

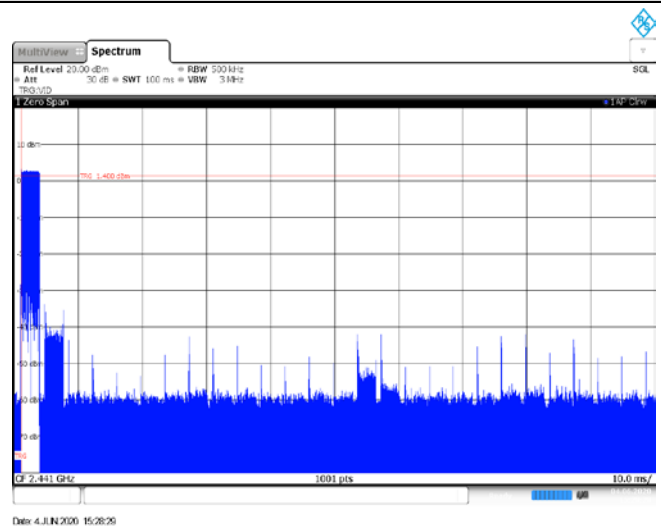
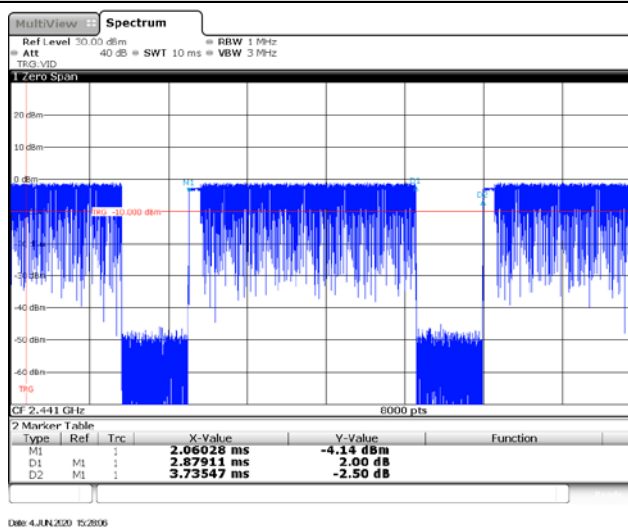
$\pi/4$  DQPSK



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

Burst Quantity

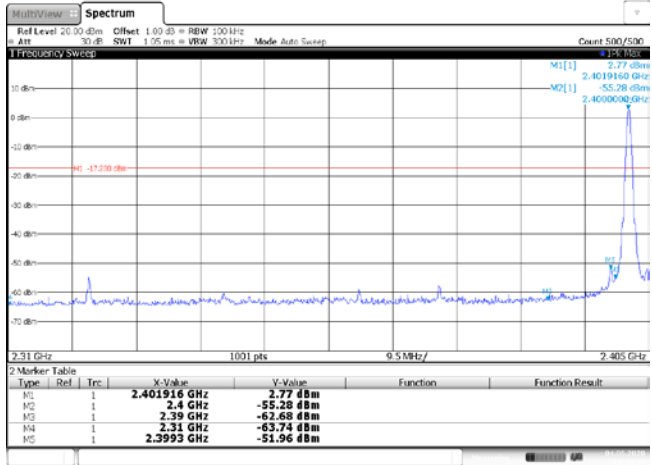
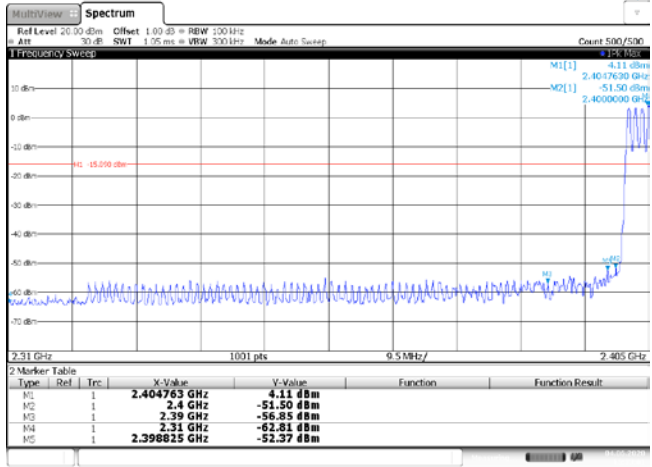
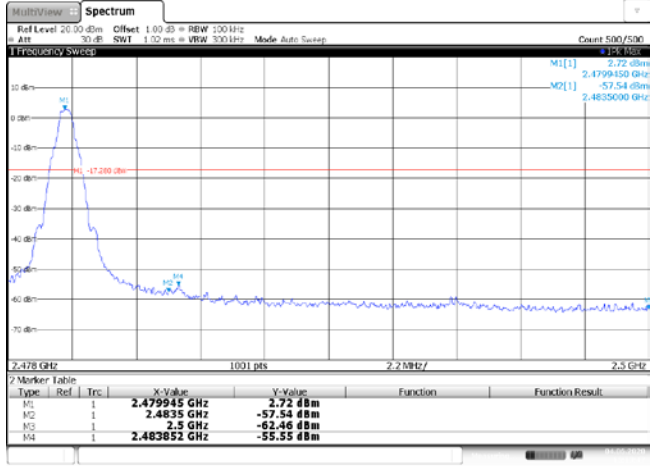
8DPSK



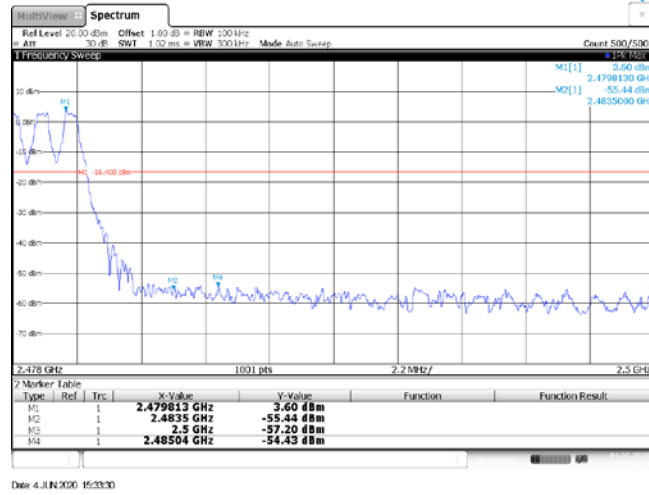
T<sub>on</sub> time for single burst

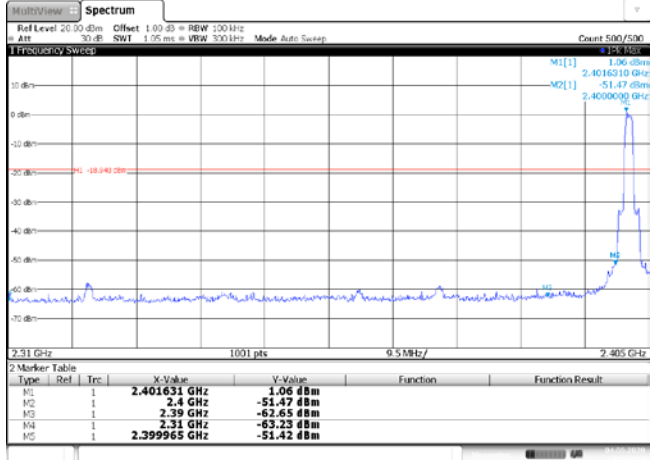
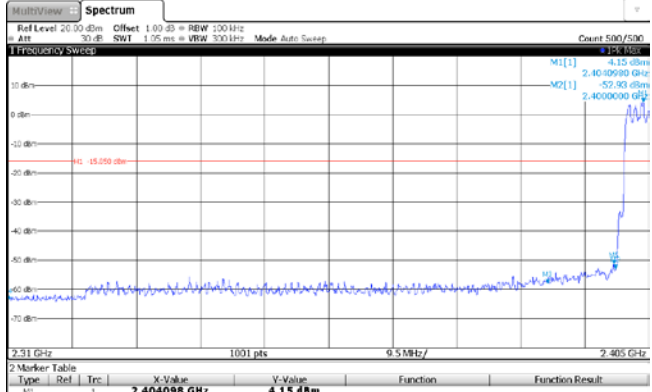
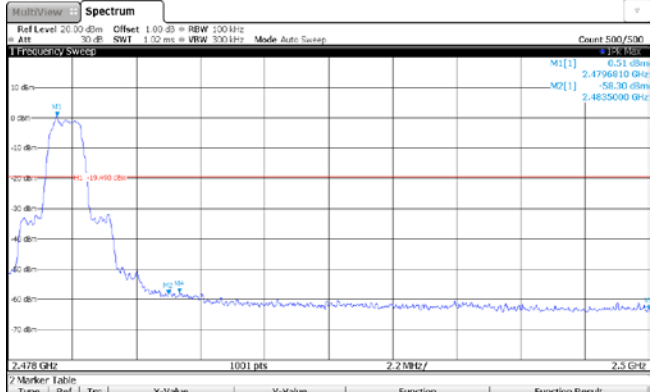
Burst Quantity

Appendix H: Band edge and Spurious Emissions (conducted)

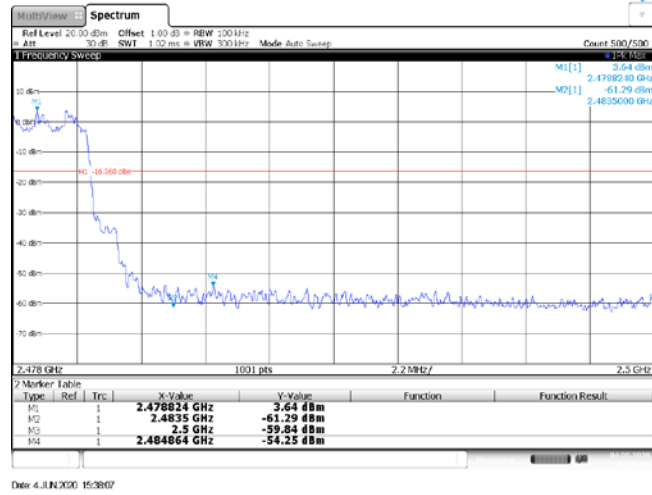
Test Item:	Band edge	Modulation type:	GFSK																																										
<p>CH00 No hopping mode</p>	 <p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.401916 GHz</td> <td>2.77 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-55.28 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-62.46 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-63.74 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.3993 GHz</td> <td>-51.96 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 4 JUN 2020 14:58:12</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.401916 GHz	2.77 dBm			M2	1		2.4 GHz	-55.28 dBm			M3	1		2.39 GHz	-62.46 dBm			M4	1		2.31 GHz	-63.74 dBm			M5	1		2.3993 GHz	-51.96 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.401916 GHz	2.77 dBm																																									
M2	1		2.4 GHz	-55.28 dBm																																									
M3	1		2.39 GHz	-62.46 dBm																																									
M4	1		2.31 GHz	-63.74 dBm																																									
M5	1		2.3993 GHz	-51.96 dBm																																									
<p>CH00 Hopping mode</p>	 <p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.404763 GHz</td> <td>4.11 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-51.50 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-56.85 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.398825 GHz</td> <td>-52.37 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 4 JUN 2020 15:33:01</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.404763 GHz	4.11 dBm			M2	1		2.4 GHz	-51.50 dBm			M3	1		2.39 GHz	-56.85 dBm			M5	1		2.398825 GHz	-52.37 dBm									
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<p>CH78 No hopping mode</p>	 <p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.479945 GHz</td> <td>2.72 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-57.54 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-62.46 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.483852 GHz</td> <td>-55.55 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 4 JUN 2020 15:13:45</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.479945 GHz	2.72 dBm			M2	1		2.4835 GHz	-57.54 dBm			M3	1		2.5 GHz	-62.46 dBm			M4	1		2.483852 GHz	-55.55 dBm									
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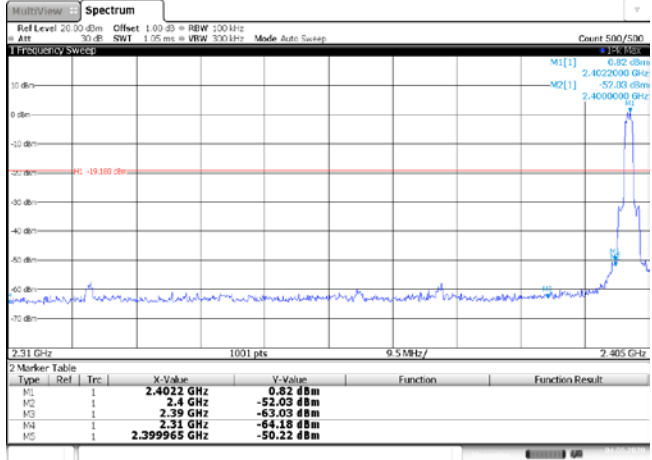
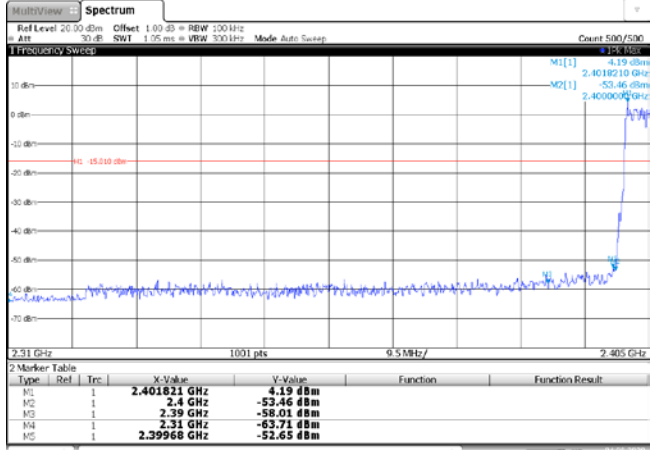
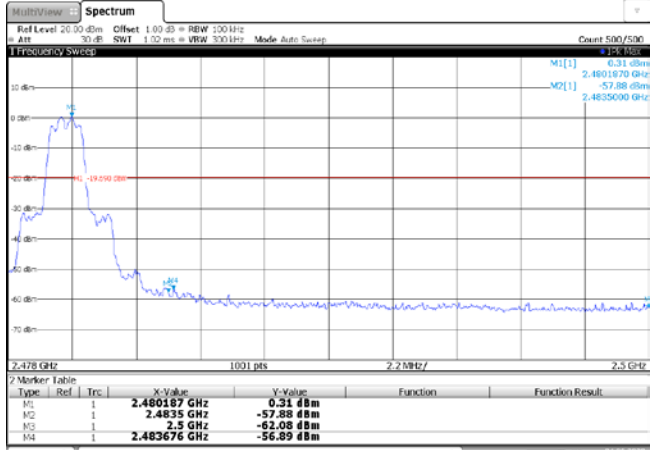
CH78  
Hopping mode



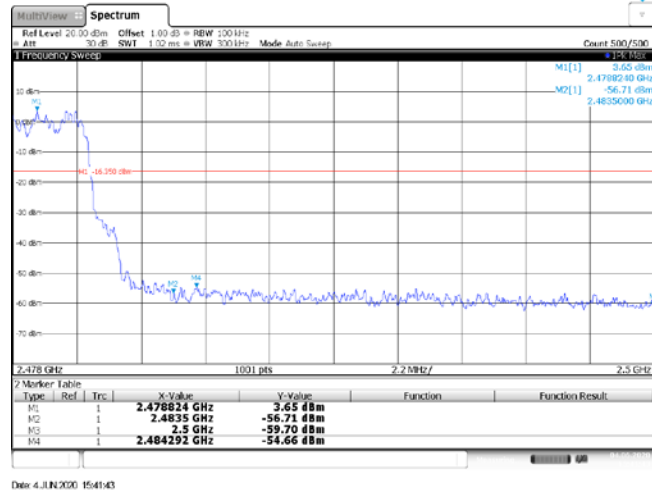
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<p>CH00 No hopping mode</p>	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB = RBW 100 kHz Att 30 dB SWI 1.05 ms = VBW 300 kHz Mode Auto Sweep Count 500/500</p> <p>1 Frequency Sweep M1 [1] 1.06 dBm M2 [1] 2.401631 GHz M3 [1] -51.47 dBm M4 [1] 2.400000 GHz</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>2.401631 GHz</td> <td>1.06 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-51.47 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-62.65 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-83.23 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399965 GHz</td> <td>-51.42 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date 4 JUN 2020 15:16:10</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.401631 GHz	1.06 dBm			M2	1		2.4 GHz	-51.47 dBm			M3	1		2.39 GHz	-62.65 dBm			M4	1		2.31 GHz	-83.23 dBm			M5	1		2.399965 GHz	-51.42 dBm		
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<p>CH78 No hopping mode</p>	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB = RBW 100 kHz Att 30 dB SWI 1.02 ms = VBW 300 kHz Mode Auto Sweep Count 500/500</p> <p>1 Frequency Sweep M1 [1] 0.51 dBm M2 [1] 2.479681 GHz M3 [1] -58.30 dBm M4 [1] 2.483500 GHz</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>2.479681 GHz</td> <td>0.51 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-58.30 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-62.52 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.483874 GHz</td> <td>-57.87 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date 4 JUN 2020 15:22:19</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.479681 GHz	0.51 dBm			M2	1		2.4835 GHz	-58.30 dBm			M3	1		2.5 GHz	-62.52 dBm			M4	1		2.483874 GHz	-57.87 dBm									
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CH78  
Hopping mode

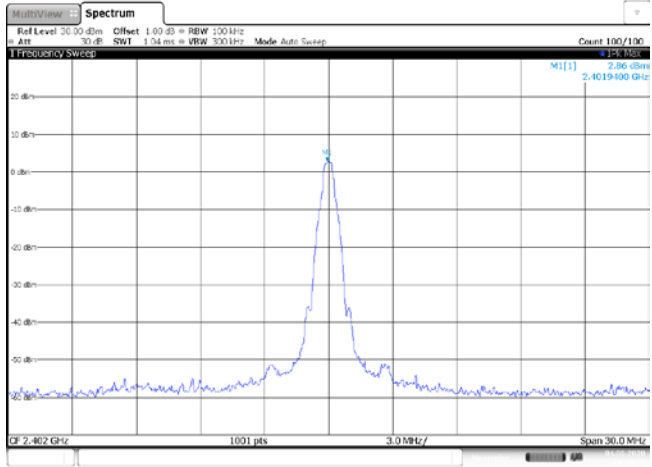
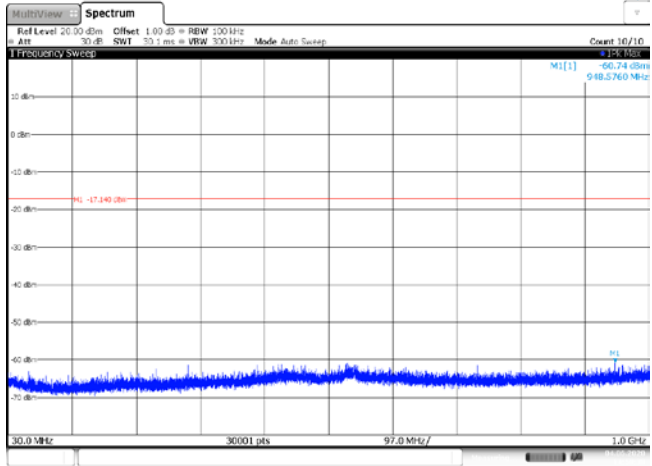
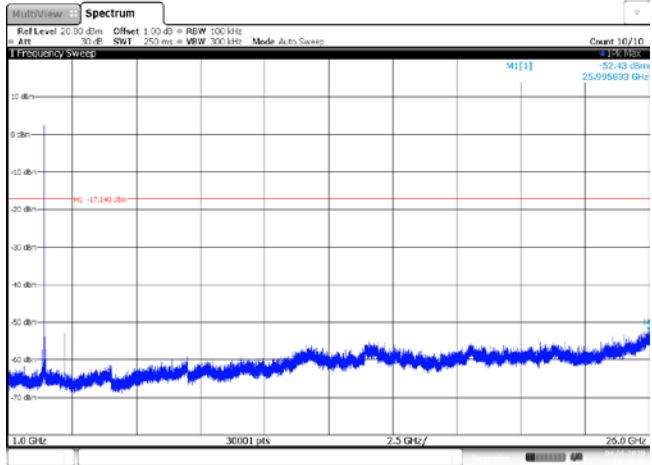


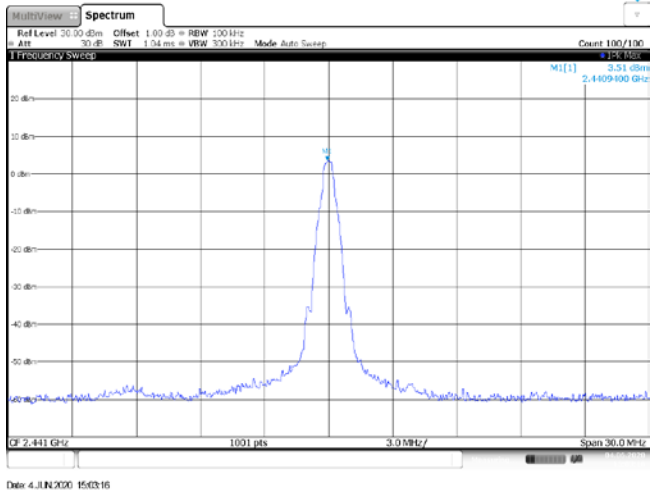
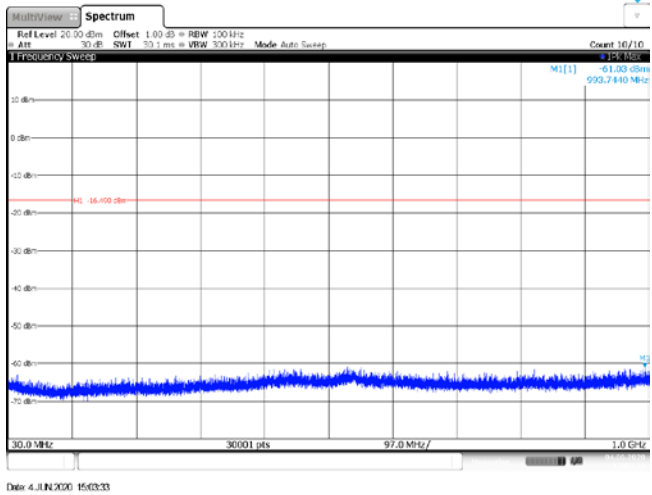
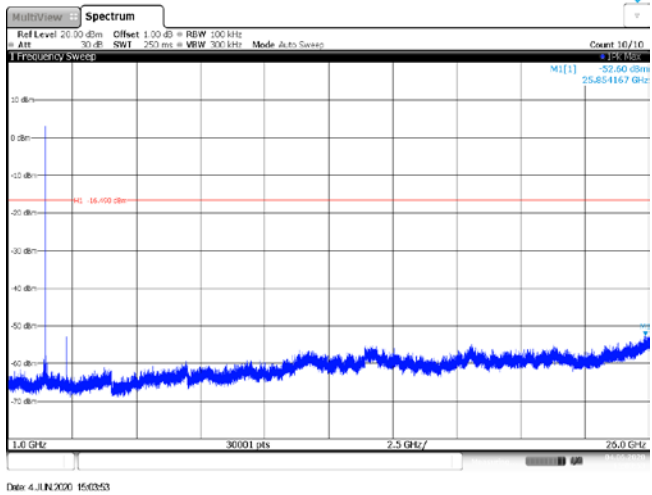
Test Item:	Band edge	Modulation type:	8DPSK																																										
<p>CH00 No hopping mode</p>	 <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.4022 GHz</td> <td>0.82 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-52.03 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-63.03 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-64.18 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399965 GHz</td> <td>-50.22 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 4 JUN 2020 15:24:33</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.4022 GHz	0.82 dBm			M2	1		2.4 GHz	-52.03 dBm			M3	1		2.39 GHz	-63.03 dBm			M4	1		2.31 GHz	-64.18 dBm			M5	1		2.399965 GHz	-50.22 dBm		
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<p>CH78 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>2.480187 GHz</td> <td>0.31 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-57.88 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-62.08 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.483676 GHz</td> <td>-56.89 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 4 JUN 2020 15:30:46</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.480187 GHz	0.31 dBm			M2	1		2.4835 GHz	-57.88 dBm			M3	1		2.5 GHz	-62.08 dBm			M4	1		2.483676 GHz	-56.89 dBm									
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CH78  
Hoppig mode

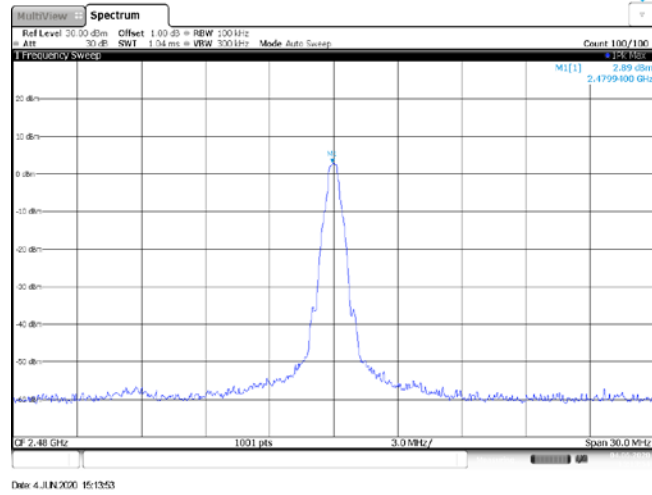




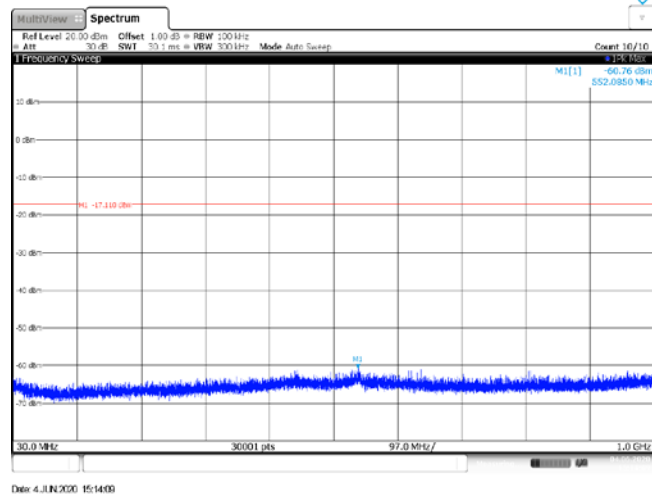
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<p>CH00 30MHz~1000MHz</p>	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 Frequency Sweep M1[1] -62.74 dBm 948.5760 MHz M1 -17.140 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 4 JUN 2020 14:58:38</p>		
<p>CH00 1GHz~26GHz</p>	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 Frequency Sweep M1[1] -57.43 dBm 25.995833 GHz M1 -17.140 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 4 JUN 2020 14:58:54</p>		

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<p>CH39 30MHz~1000MHz</p>	 <p>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 M[1] -61.00 dBm 993.7440 MHz -16.400 dBm 30.0 MHz 30001 pts 97.0 MHz/ Span 1.0 GHz Date: 4 JUN 200 15:03:33</p>
<p>CH39 1GHz~26GHz</p>	 <p>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 M[1] -61.00 dBm 25.854167 GHz -16.400 dBm 1.0 GHz 30001 pts 2.5 GHz/ Span 26.0 GHz Date: 4 JUN 200 15:03:53</p>

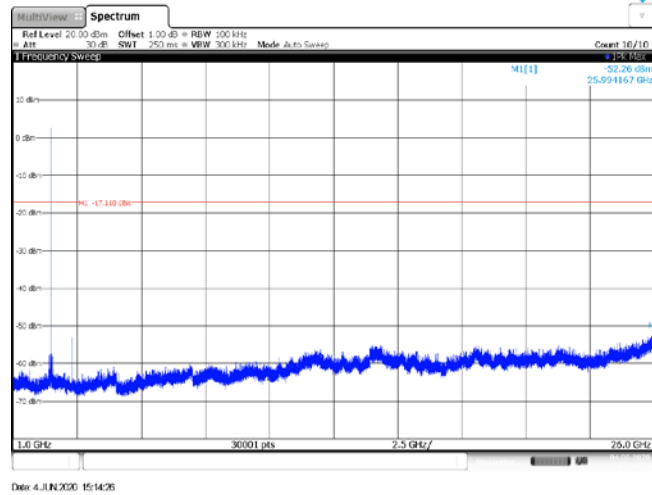
CH78  
Reference level

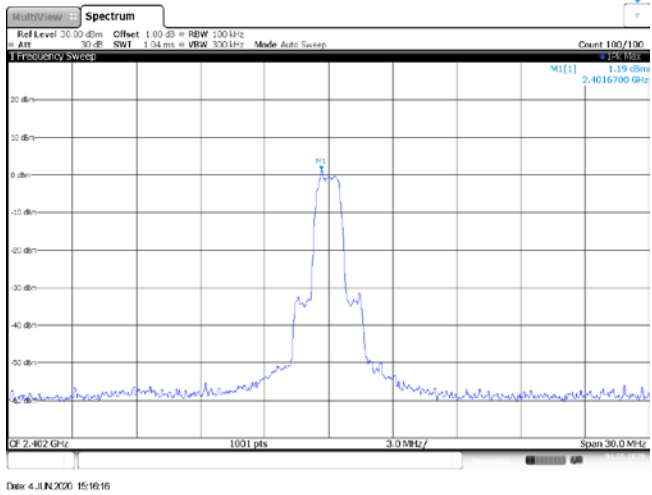
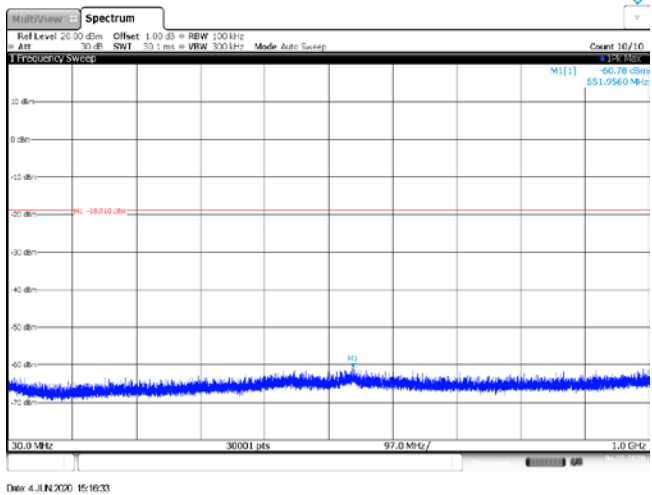
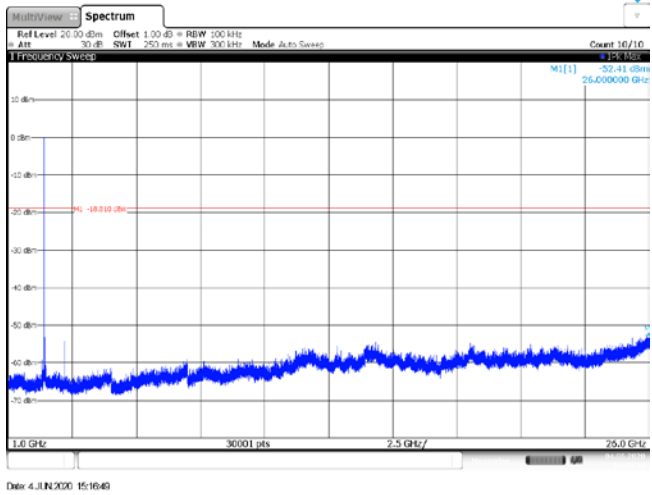


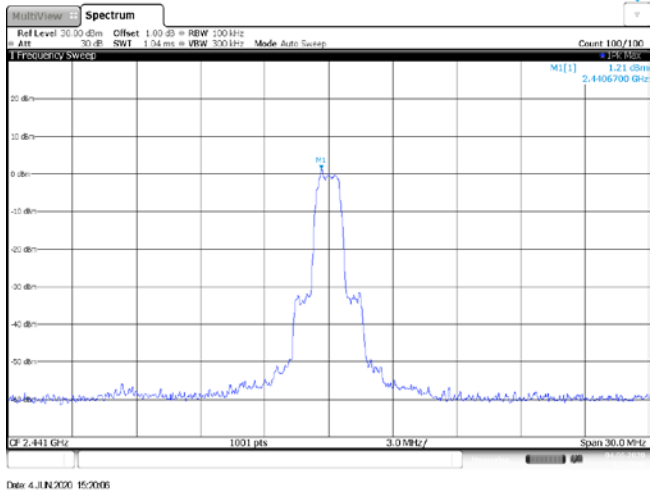
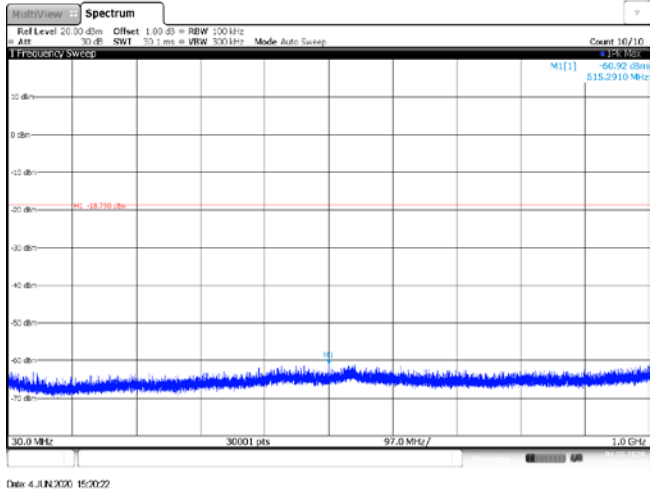
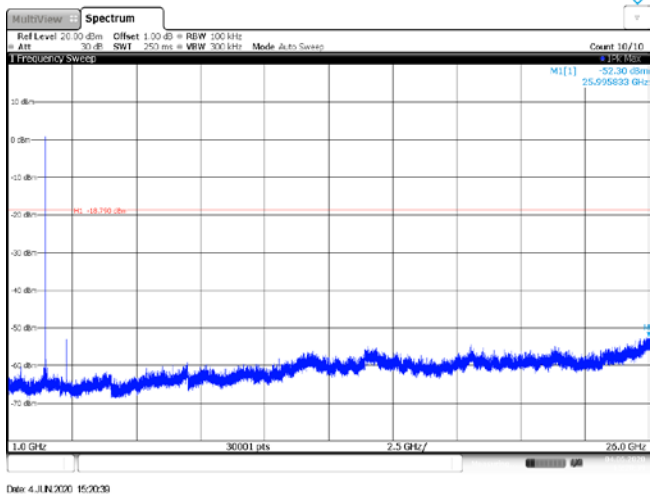
CH78  
30MHz~1000MHz

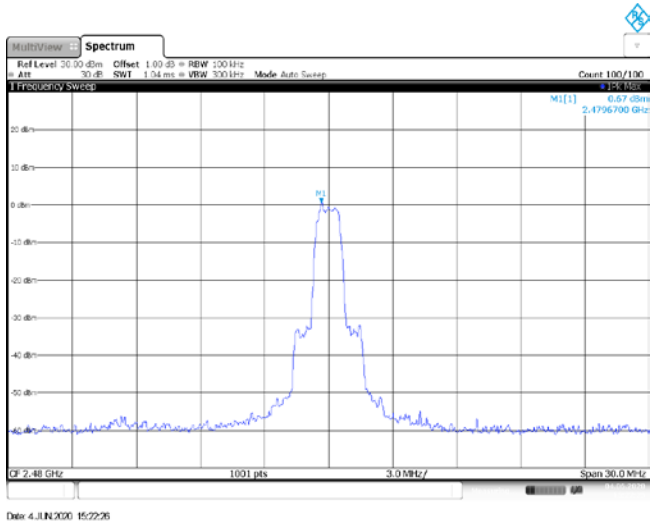
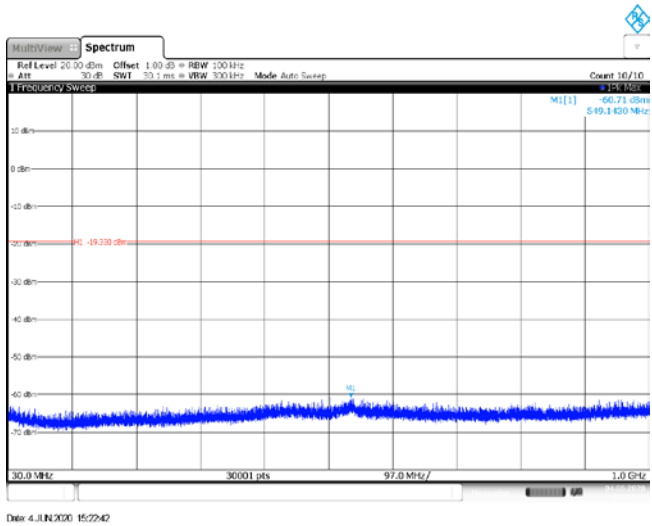
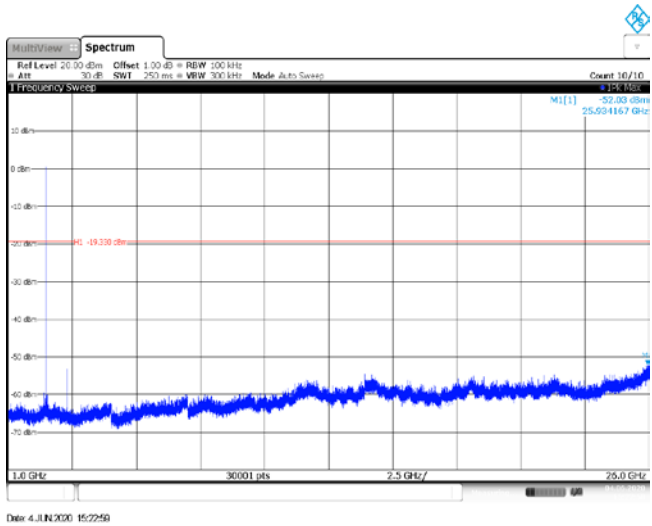


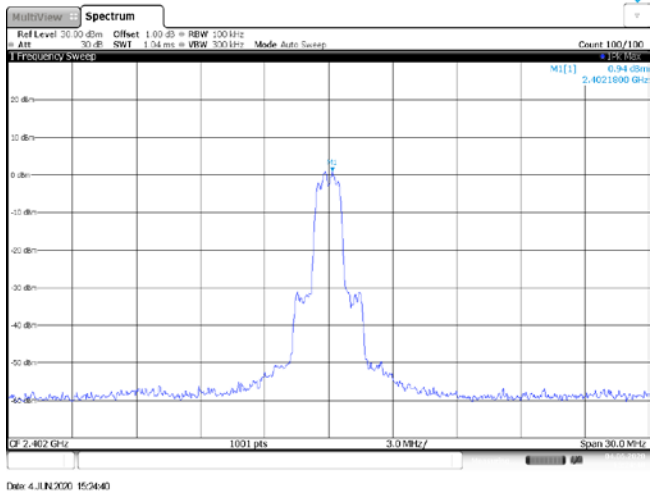
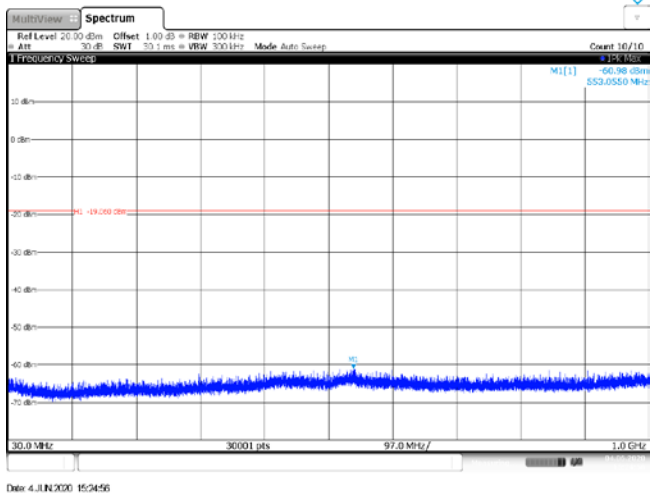
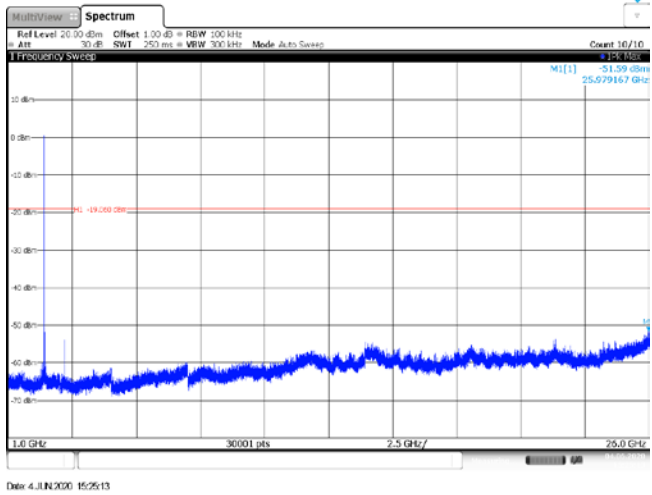
CH78  
1GHz~26GHz

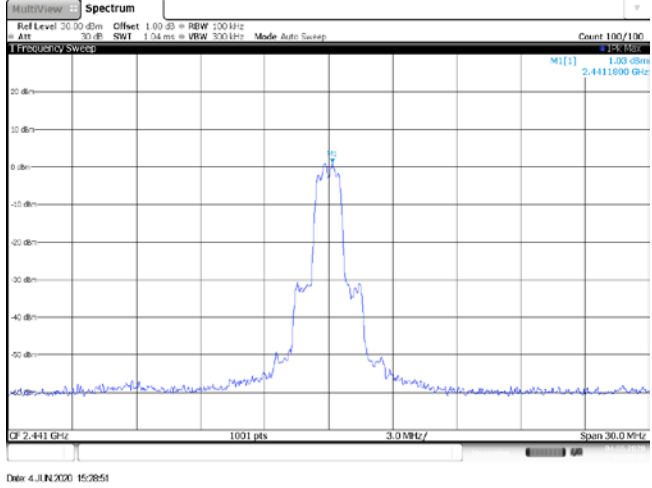
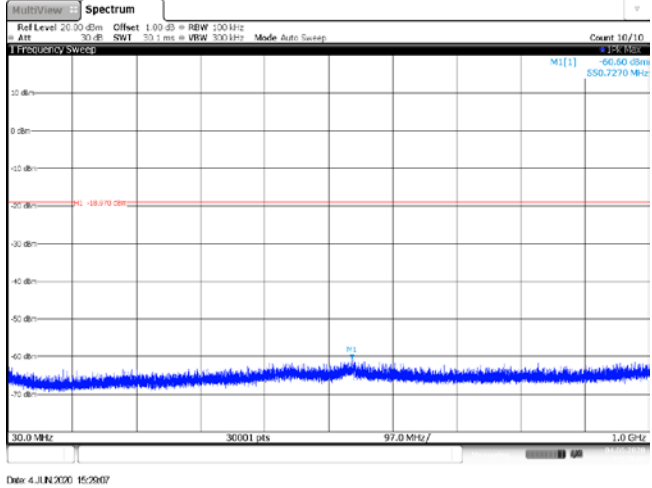
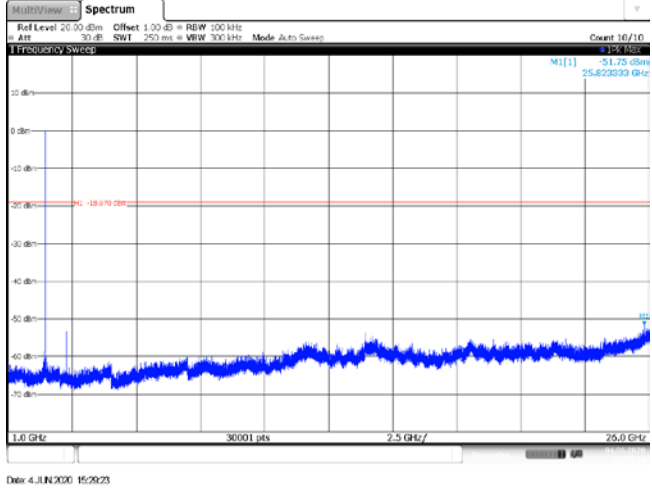


Test Item:	Spurious Emission	Modulation type:	$\pi/4$ DQPSK
<p>CH00 Reference level</p>	 <p>Date: 4 JUN 2020 15:16:16</p>		
<p>CH00 30MHz~1000MHz</p>	 <p>Date: 4 JUN 2020 15:16:33</p>		
<p>CH00 1GHz~26GHz</p>	 <p>Date: 4 JUN 2020 15:16:49</p>		

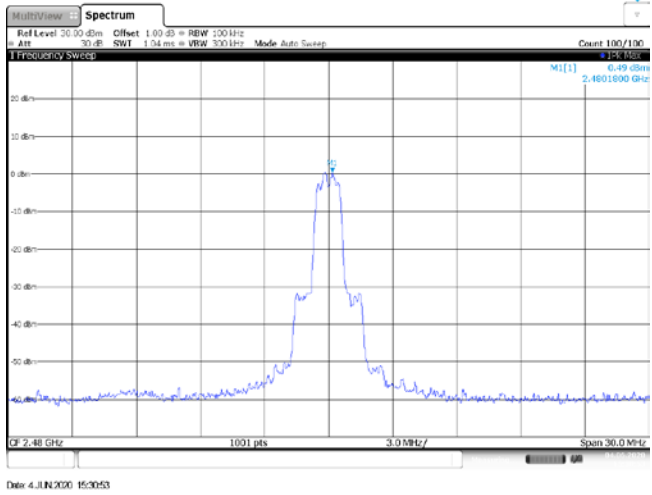
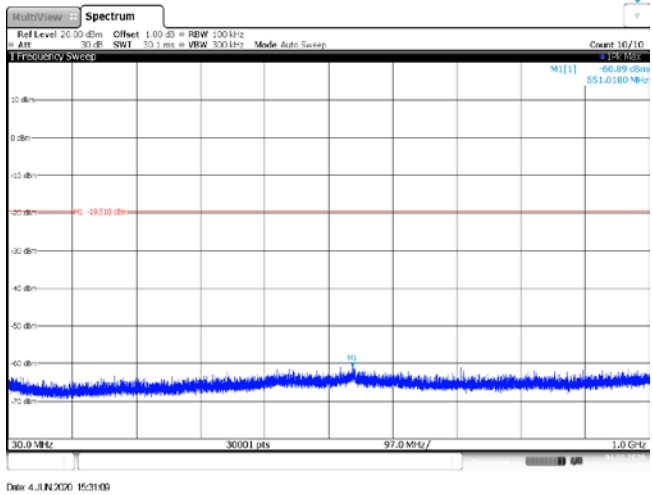
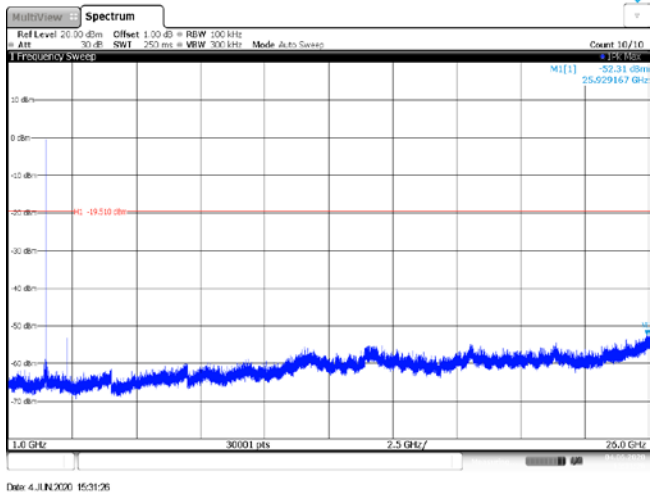
<p>CH39 Reference level</p>	 <p>Ref Level 20.00 dBm Offset 1.00 dB = RBW 100 kHz Att 30 dB SWI 1.04 ms = VBW 300 kHz Mode Auto Sweep Count 100/100 M[1] 1.2 count 2.4406700 GHz CF 2.441 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 4 JUN 200 15:00:05</p>
<p>CH39 30MHz~1000MHz</p>	 <p>Ref Level 20.00 dBm Offset 1.00 dB = RBW 100 kHz Att 30 dB SWI 30.1 ms = VBW 300 kHz Mode Auto Sweep Count 10/10 M[1] 1.2 count -60.92 dBm 515.2919 MHz 30.0 MHz 30001 pts 97.0 MHz/ Span 1.0 GHz Date: 4 JUN 200 15:00:22</p>
<p>CH39 1GHz~26GHz</p>	 <p>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 M[1] 1.2 count -62.30 dBm 25.995833 GHz 1.0 GHz 30001 pts 2.5 GHz/ Span 25.0 GHz Date: 4 JUN 200 15:00:39</p>

<p>CH78 Reference level</p>	 <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 M[1] -66.71 dBm 2.4796700 GHz CF 2.48 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date 4 JUN 200 15:22:26</p>
<p>CH78 30MHz~1000MHz</p>	 <p>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 M[1] -66.71 dBm 549.1430 MHz -66.71 dBm 30.0 MHz 30001 pts 97.0 MHz/ Span 1.0 GHz Date 4 JUN 200 15:22:42</p>
<p>CH78 1GHz~26GHz</p>	 <p>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 M[1] -66.71 dBm 25.094167 GHz -66.71 dBm 1.0 GHz 30001 pts 2.5 GHz/ Span 25.0 GHz Date 4 JUN 200 15:22:59</p>

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

<p>CH39 Reference level</p>	 <p>Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 M[1] 1.00 count 2.4411800 GHz CF 2.441 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 4 JUN 200 15:2851</p>
<p>CH39 30MHz~1000MHz</p>	 <p>Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M[1] -60.60 dBm 550.7270 MHz M[2] -18.00 dBm 30.0 MHz 30001 pts 97.0 MHz/ Span 1.0 GHz Date: 4 JUN 200 15:2907</p>
<p>CH39 1GHz~26GHz</p>	 <p>Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M[1] -61.70 dBm 25.82303 GHz M[2] -18.00 dBm 1.0 GHz 30001 pts 2.5 GHz/ Span 26.0 GHz Date: 4 JUN 200 15:2923</p>



<p>CH78 Reference level</p>	 <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 M[1] -2.49 dBm 2.4601800 GHz CF 2.46 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 4 JUN 200 15:30:53</p>
<p>CH78 30MHz~1000MHz</p>	 <p>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 M[1] -60.89 dBm 551.0180 MHz -19.510 dBm 30.0 MHz 30001 pts 97.0 MHz/ Span 1.0 GHz Date: 4 JUN 200 15:31:09</p>
<p>CH78 1GHz~26GHz</p>	 <p>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 M[1] -62.31 dBm 25.929167 GHz -19.510 dBm 1.0 GHz 30001 pts 2.5 GHz/ Span 25.0 GHz Date: 4 JUN 200 15:31:26</p>

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