

APPENDIX REPORT

Project No.	SHT2003039604EW	Radio Specification	Bluetooth EDR
Test sample No.	YPHT20030396027	Model No.	S341
Start test date	2020/3/24	Finish date	2020/3/31
Temperature	25°C	Humidity	50%
Test Engineer	Jinyue.Yan	Auditor	

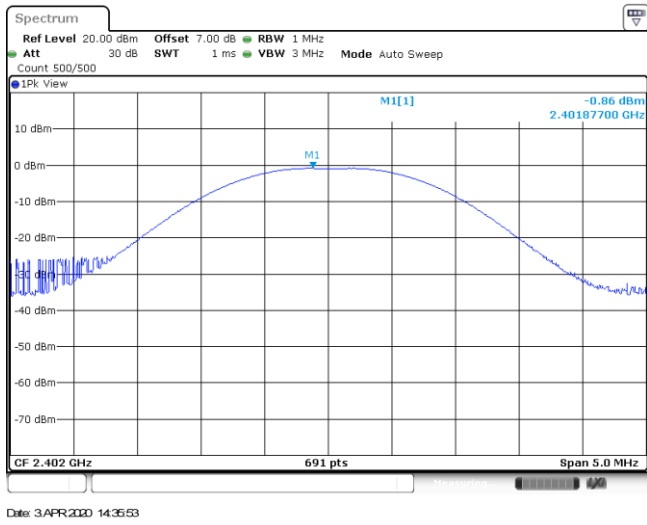
Appendix clause	Test item	Result
A	Peak Output Power	PASS
B	20 dB Bandwidth	PASS
C	99% Occupied Bandwidth	PASS
D	Carrier Frequencies Separation	PASS
E	Hopping Channel Number	PASS
F	Dwell Time	PASS
G	Duty Cycle Correction Factor (DCCF)	PASS
H	Band edge and Spurious Emissions(coducted)	PASS

Appendix A: Peak Output Power

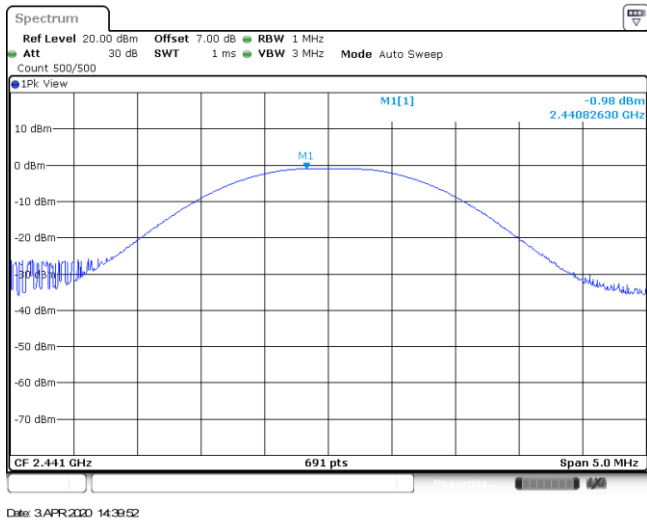
Modulation type	Channel	Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
GFSK	00	-0.86	-1.26	≤ 30.00	Pass
	39	-0.98	-1.12		
	78	-1.01	-1.63		
π/4DQPSK	00	-0.88	-1.45	≤ 21.00	Pass
	39	-0.92	-1.97		
	78	-0.93	-1.66		
8DPSK	00	-0.79	-1.09	≤ 21.00	Pass
	39	-0.87	-1.44		
	78	-0.93	-1.53		

Modulation Type: GFSK

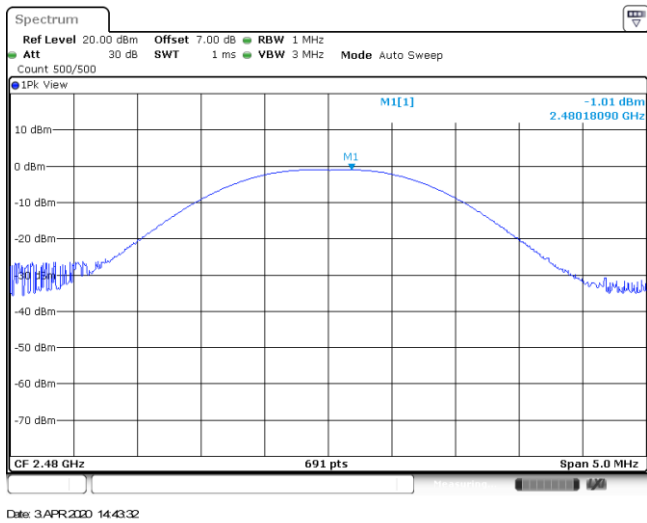
CH00



CH39

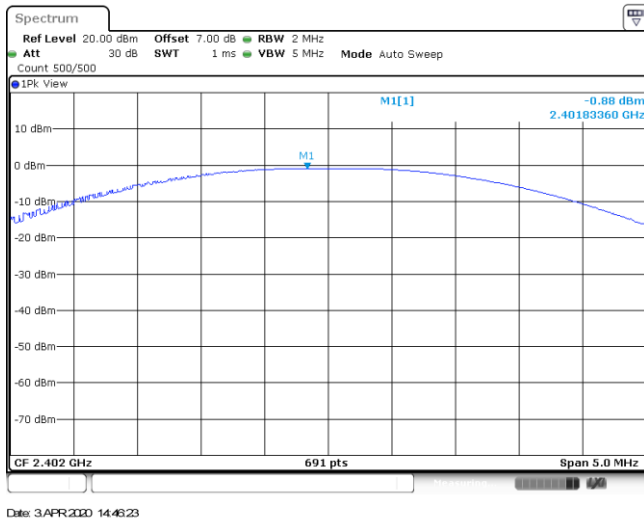


CH78



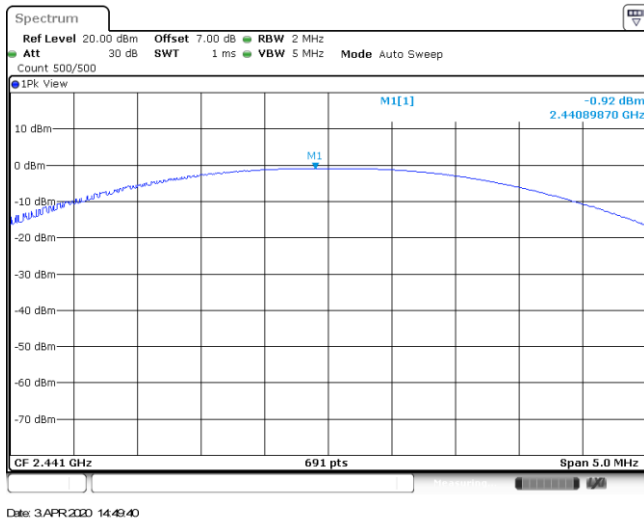
Modulation Type: $\pi/4$ DQPSK

CH00



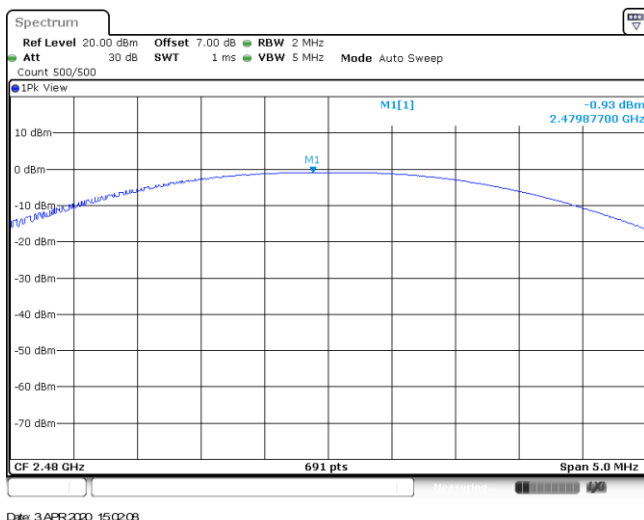
Date: 3 APR 2020 14:46:23

CH39



Date: 3 APR 2020 14:48:40

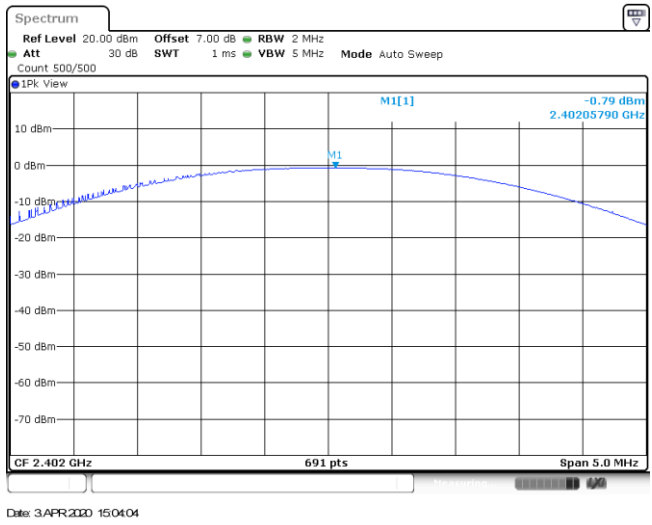
CH78



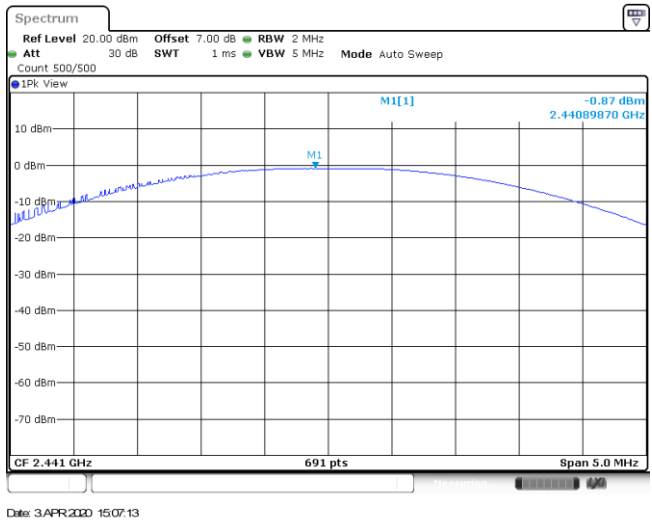
Date: 3 APR 2020 15:02:08

Modulation Type: 8DPSK

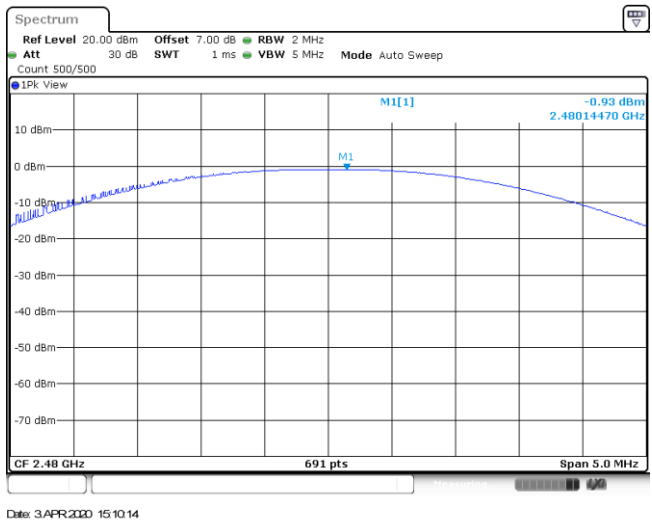
CH00



CH39



CH78

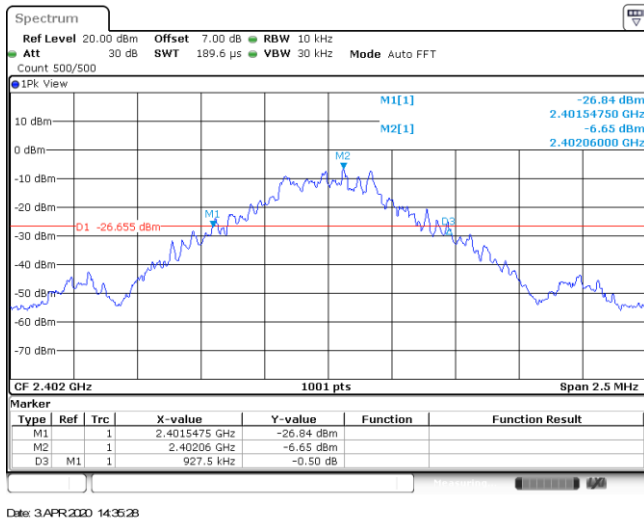


Appendix B : 20 dB Bandwidth

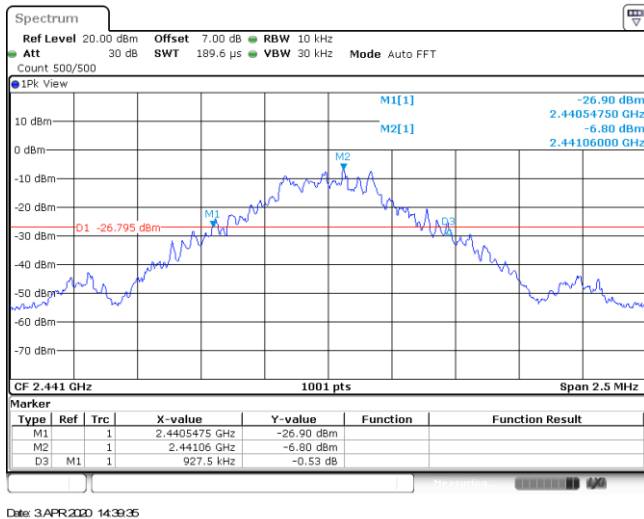
Modulation type	Channel	20 dB Bandwidth (kHz)	Limit (kHz)	Result
GFSK	00	927.50	-	Pass
	39	927.50		
	78	927.50		
$\pi/4$ DQPSK	00	1100.00	-	Pass
	39	1102.50		
	78	1105.00		
8DPSK	00	1052.50	-	Pass
	39	1052.50		
	78	1072.50		

Modulation Type: GFSK

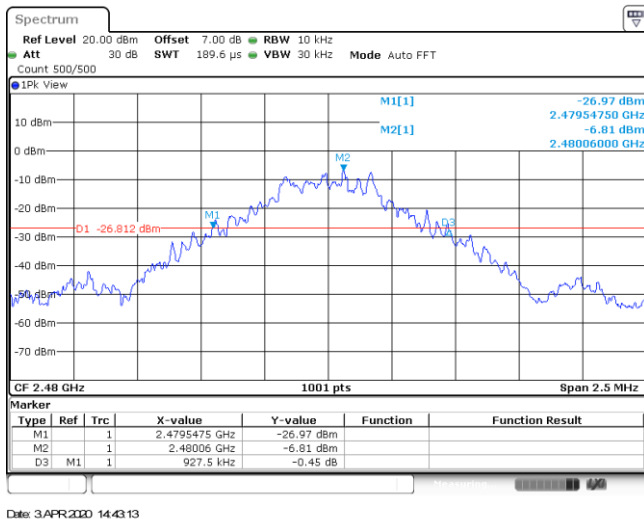
CH00



CH39

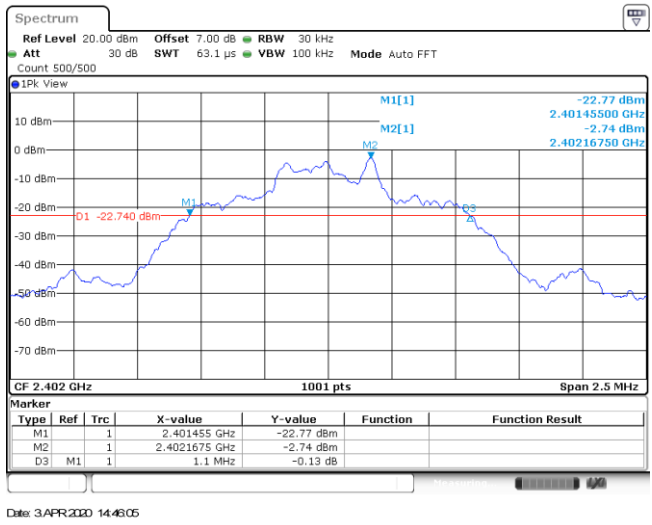


CH78



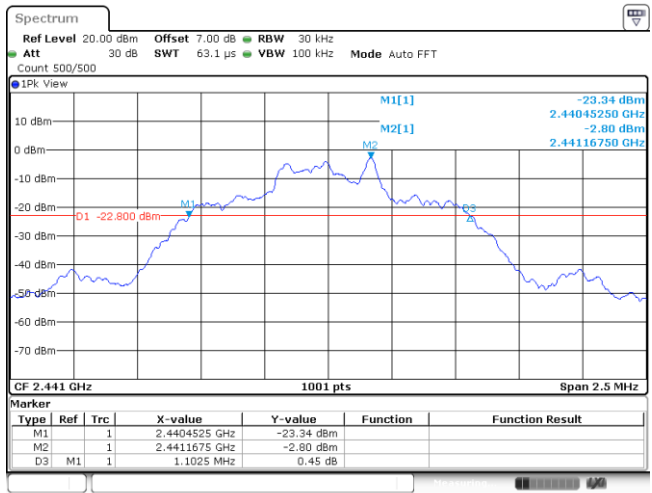
Modulation Type: $\pi/4$ DQPSK

CH00



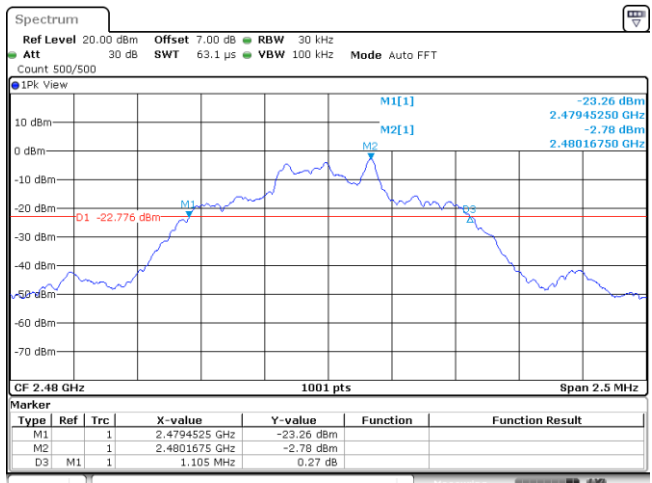
Date: 3 APR 2020 14:46:05

CH39



Date: 3 APR 2020 14:49:23

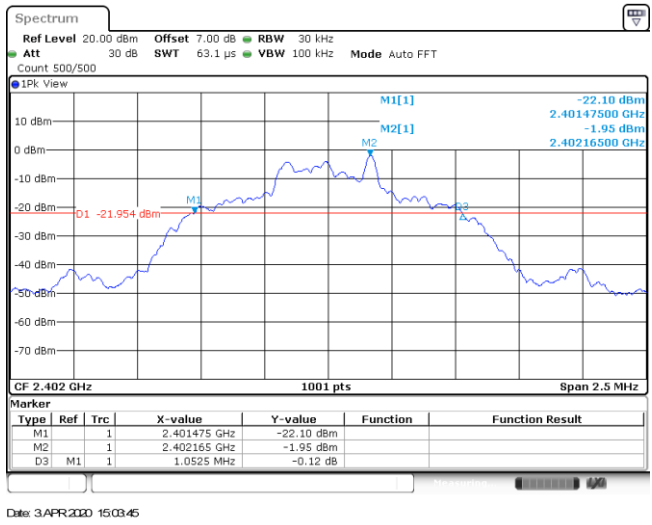
CH78



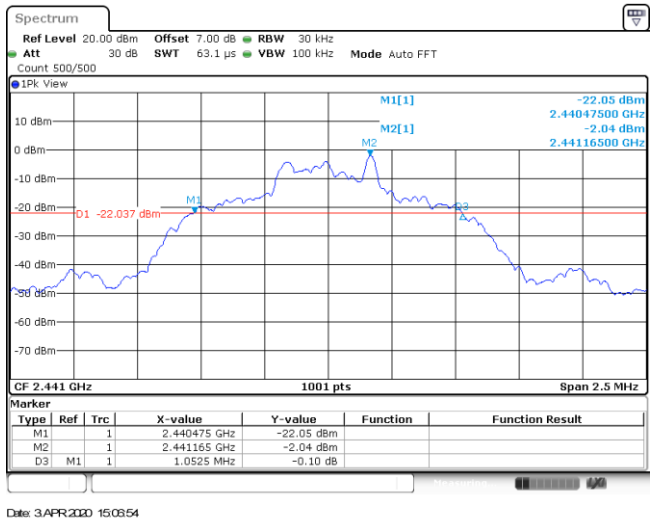
Date: 3 APR 2020 15:01:45

Modulation Type: 8DPSK

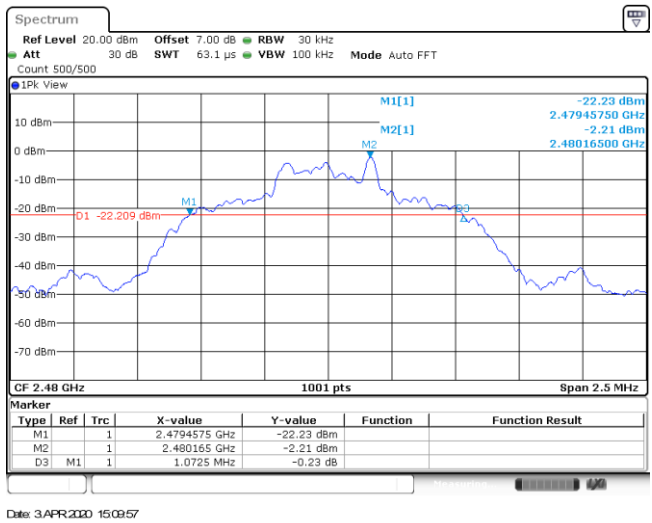
CH00



CH39



CH78



Appendix C: 99% Occupied Bandwidth

Modulation type	Channel	99% Occupied Bandwidth (MHz)	Limit (MHz)	Result
GFSK	00	0.87	-	Pass
	39	0.87		
	78	0.87		
$\pi/4$ DQPSK	00	1.04	-	Pass
	39	1.04		
	78	1.05		
8DPSK	00	1.02	-	Pass
	39	1.02		
	78	1.02		

Modulation Type:		GFSK
CH00	<p> Spectrum Ref Level 20.00 dBm Offset 7.00 dB RBW 30 kHz Att 30 dB SWT 63.1 μs VBW 100 kHz Mode Auto FFT Count 500/500 1Pk View M1[1] -2.08 dBm 2.40216480 GHz Occ Bw 871.628371628 kHz T1 T2 CF 2.402 GHz 1001 pts Span 2.5 MHz Date: 3 APR 2020 14:35:37 </p>	
CH39	<p> Spectrum Ref Level 20.00 dBm Offset 7.00 dB RBW 30 kHz Att 30 dB SWT 63.1 μs VBW 100 kHz Mode Auto FFT Count 500/500 1Pk View M1[1] -2.16 dBm 2.44116480 GHz Occ Bw 874.125874125 kHz T1 T2 CF 2.441 GHz 1001 pts Span 2.5 MHz Date: 3 APR 2020 14:39:43 </p>	
CH78	<p> Spectrum Ref Level 20.00 dBm Offset 7.00 dB RBW 30 kHz Att 30 dB SWT 63.1 μs VBW 100 kHz Mode Auto FFT Count 500/500 1Pk View M1[1] -2.26 dBm 2.48016480 GHz Occ Bw 874.125874125 kHz T1 T2 CF 2.48 GHz 1001 pts Span 2.5 MHz Date: 3 APR 2020 14:43:22 </p>	

Modulation Type: $\pi/4$ DQPSK	
CH00	<p>Spectrum</p> <p>Ref Level 20.00 dBm Offset 7.00 dB RBW 30 kHz Att 30 dB SWT 63.1 μs VBW 100 kHz Mode Auto FFT Count 500/500</p> <p>1Pk View</p> <p>M1[1] -2.76 dBm 2.40216730 GHz 1.038961039 MHz</p> <p>Occ Bw</p> <p>T1 T2</p> <p>CF 2.402 GHz 1001 pts Span 2.5 MHz</p> <p>Date: 3 APR 2020 14:48:14</p>
CH39	<p>Spectrum</p> <p>Ref Level 20.00 dBm Offset 7.00 dB RBW 30 kHz Att 30 dB SWT 63.1 μs VBW 100 kHz Mode Auto FFT Count 500/500</p> <p>1Pk View</p> <p>M1[1] -2.84 dBm 2.44116730 GHz 1.041458541 MHz</p> <p>Occ Bw</p> <p>T1 T2</p> <p>CF 2.441 GHz 1001 pts Span 2.5 MHz</p> <p>Date: 3 APR 2020 14:48:31</p>
CH78	<p>Spectrum</p> <p>Ref Level 20.00 dBm Offset 7.00 dB RBW 30 kHz Att 30 dB SWT 63.1 μs VBW 100 kHz Mode Auto FFT Count 500/500</p> <p>1Pk View</p> <p>M1[1] -2.78 dBm 2.48016730 GHz 1.046453546 MHz</p> <p>Occ Bw</p> <p>T1 T2</p> <p>CF 2.48 GHz 1001 pts Span 2.5 MHz</p> <p>Date: 3 APR 2020 15:01:59</p>

Modulation Type:		8DPSK
CH00	<p>CF 2.402 GHz 1001 pts Span 2.5 MHz</p> <p>Date: 3 APR 2020 15:03:53</p>	
CH39	<p>CF 2.441 GHz 1001 pts Span 2.5 MHz</p> <p>Date: 3 APR 2020 15:07:03</p>	
CH78	<p>CF 2.48 GHz 1001 pts Span 2.5 MHz</p> <p>Date: 3 APR 2020 15:10:05</p>	

Appendix D: Carrier Frequencies Separation

Modulation type	Channel	Carrier Frequencies Separation (MHz)	Limit (kHz) *	Result
GFSK	39	1.00	≥927.50	Pass
π/4DQPSK	39	1.00	≥736.67	Pass
8DPSK	39	1.00	≥715.00	Pass

Note:

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

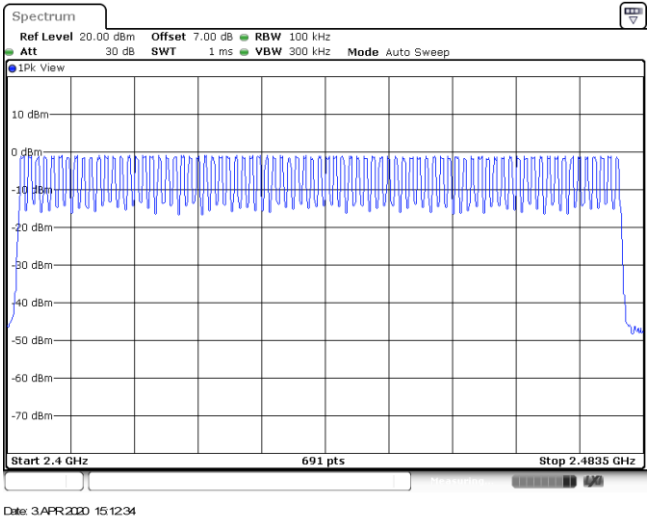
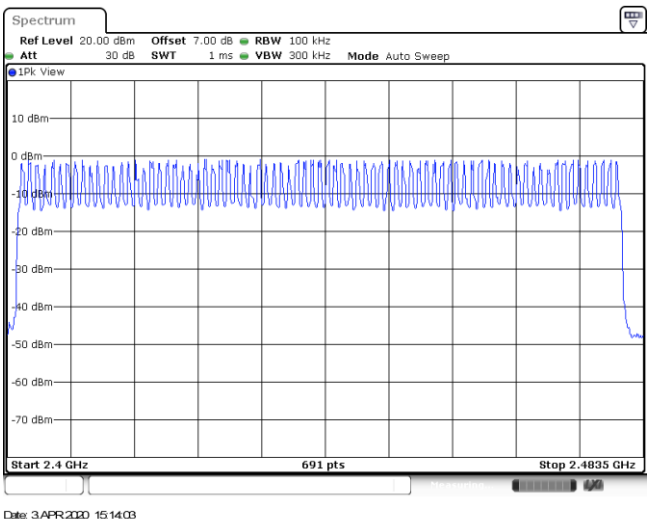
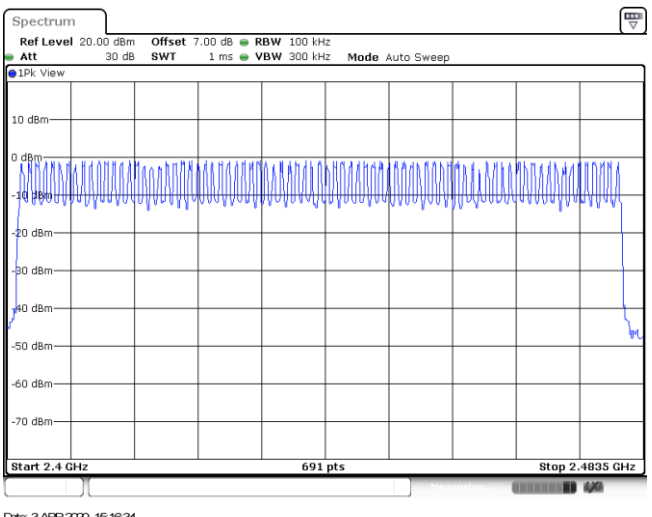
π/4DQPSK limit = 2/3 * The maximum 20 dB Bandwidth for π/4DQPSK modulation on the appendix B.

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

<p style="text-align: center;">GFSK</p>	<p style="text-align: center;">Date: 3 APR 2020 14:38:46</p>
<p style="text-align: center;">$\pi/4$DQPSK</p>	<p style="text-align: center;">Date: 3 APR 2020 14:48:44</p>
<p style="text-align: center;">8DPSK</p>	<p style="text-align: center;">Date: 3 APR 2020 15:05:55</p>

Appendix E: Hopping Channel Number

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

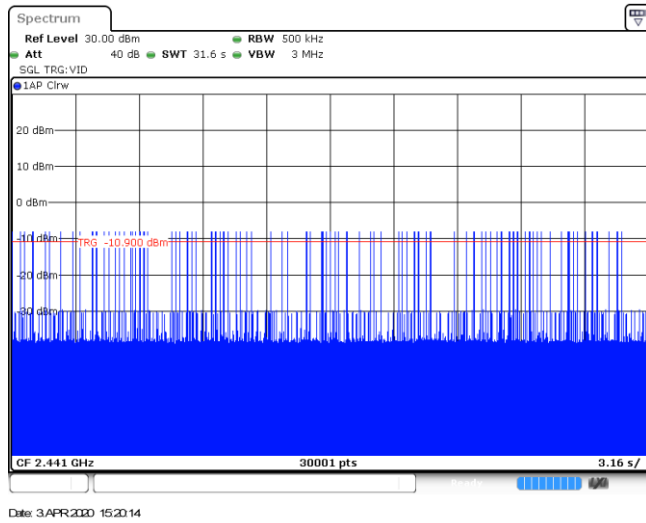
<p>GFSK</p>	
<p>$\pi/4$DQPSK</p>	
<p>8DPSK</p>	

Appendix F: Dwell Time

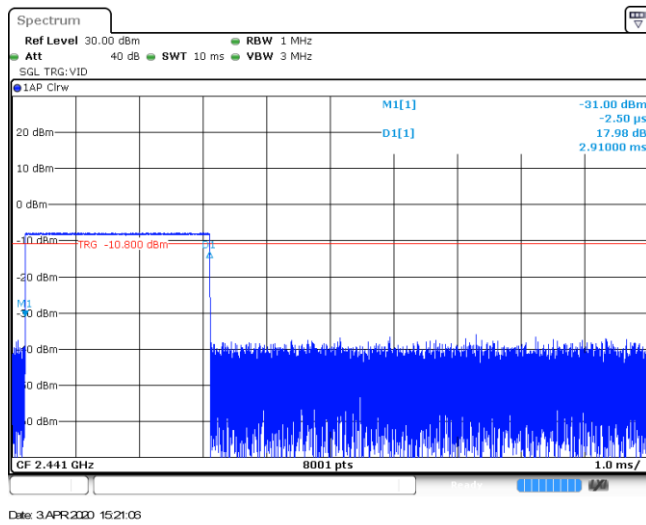
Modulation type	Packet	Burst Width [ms]	Total Hops[hop*ch]	Dwell time (Second)	Limit (Second)	Result
GFSK	DH1	0.41	320	0.13	≤ 0.40	Pass
	DH3	1.66	112	0.19		
	DH5	2.91	63	0.18		
π/4DQPSK	2DH1	0.41	320	0.13	≤ 0.40	Pass
	2DH3	1.66	110	0.18		
	2DH5	2.91	74	0.22		
8DPSK	3DH1	0.41	318	0.13	≤ 0.40	Pass
	3DH3	1.66	114	0.19		
	3DH5	2.91	62	0.18		

Modulation Type: GFSK	
DH1 Burst width	<p>Date: 3 APR 2020 15:18:44</p>
DH1 Burst number	<p>Date: 3 APR 2020 15:19:17</p>
DH3 Burst width	<p>Date: 3 APR 2020 15:19:41</p>

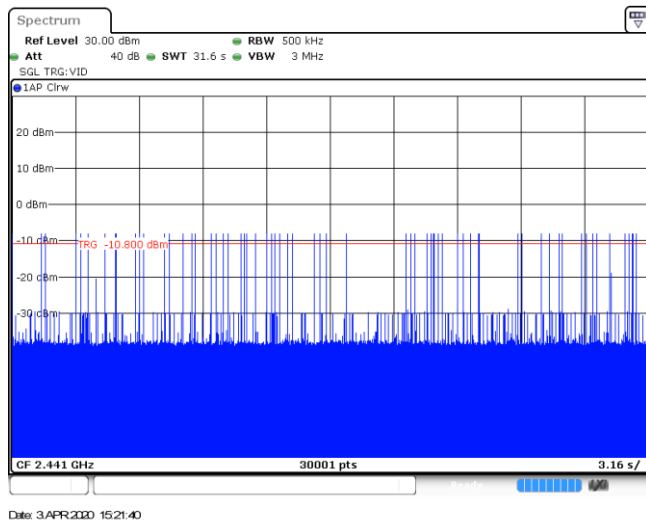
DH3
Burst number



DH5
Burst width

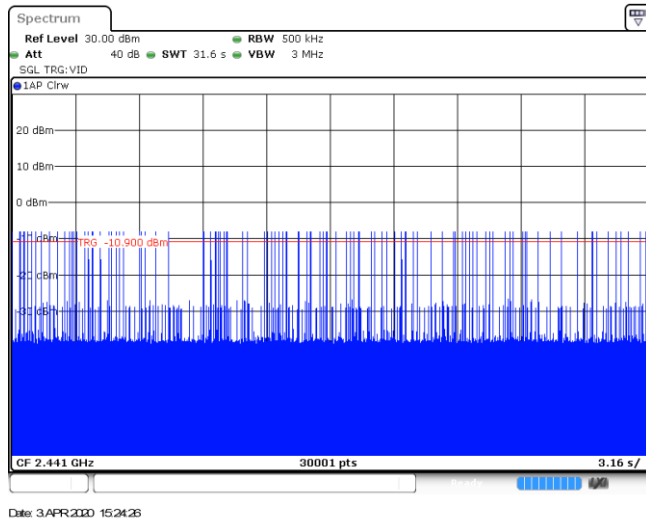


DH5
Burst number

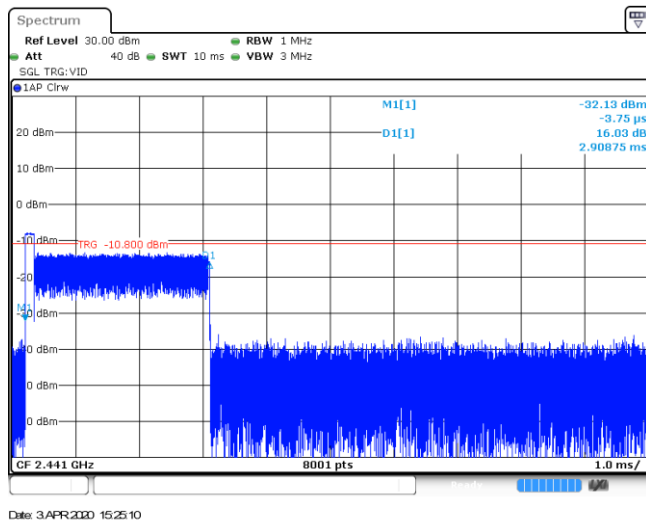


Modulation Type: $\pi/4$DQPSK	
2DH1 Burst width	
2DH1 Burst number	
2DH3 Burst width	

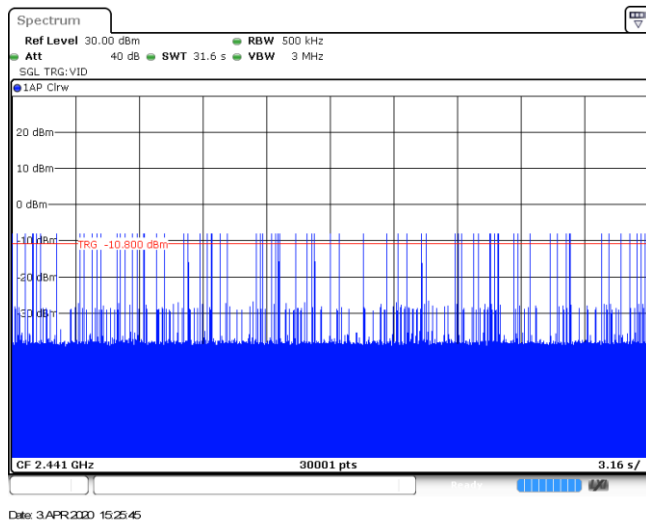
2DH3
Burst number



2DH5
Burst width

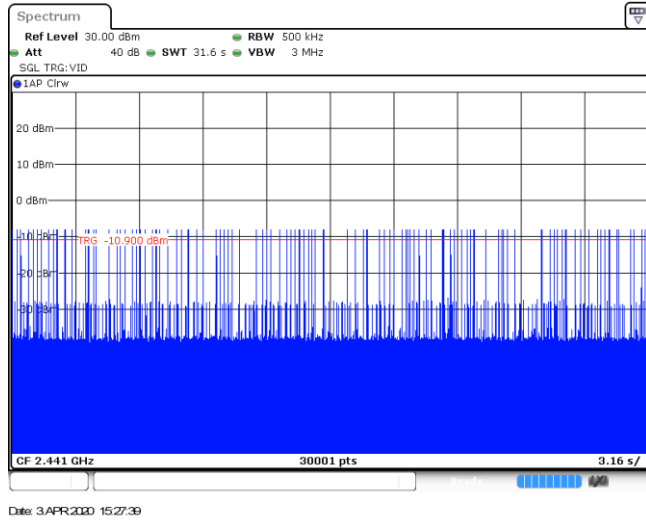


2DH5
Burst number

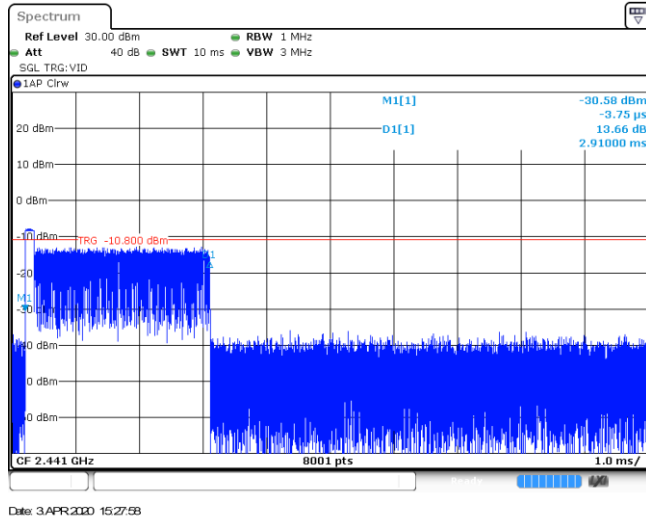


Modulation Type: 8DPSK	
3DH1 Burst width	<p>Date: 3 APR 2020 15:28:10</p>
3DH1 Burst number	<p>Date: 3 APR 2020 15:28:43</p>
3DH3 Burst width	<p>Date: 3 APR 2020 15:27:05</p>

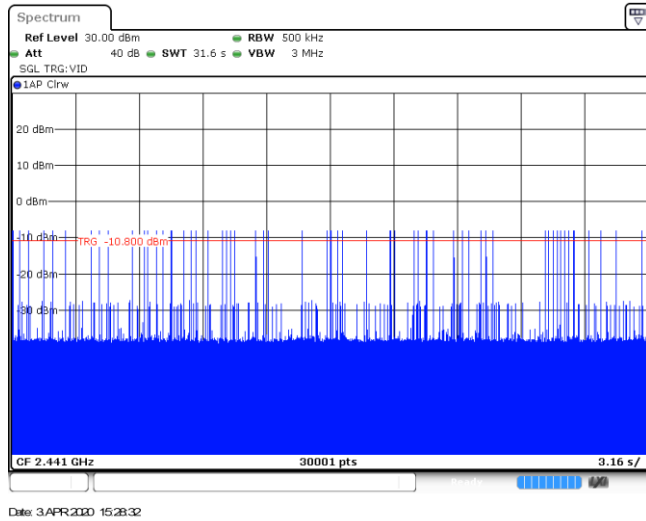
3DH3
Burst number



3DH5
Burst width



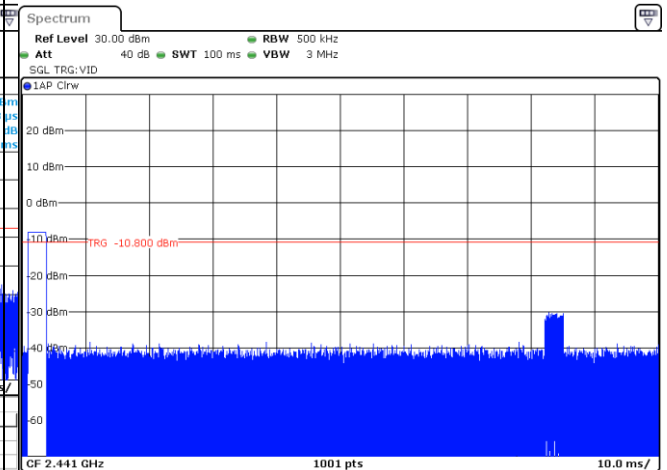
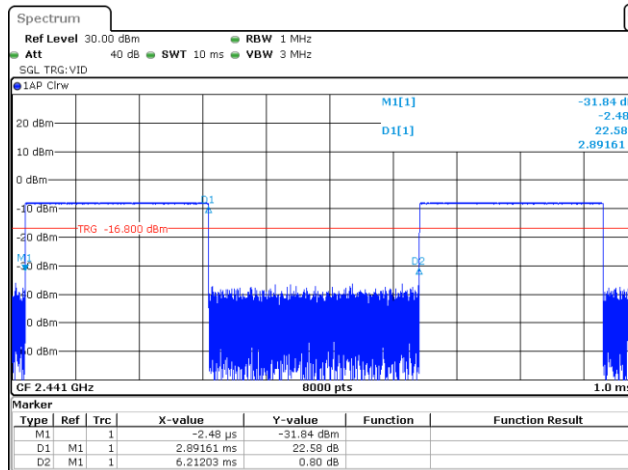
3DH5
Burst number



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	2.89	100	1	-30.78
$\pi/4$ DQPSK	2441	2.89	100	1	-30.78
8DPSK	2441	2.89	100	1	-30.78

GFSK



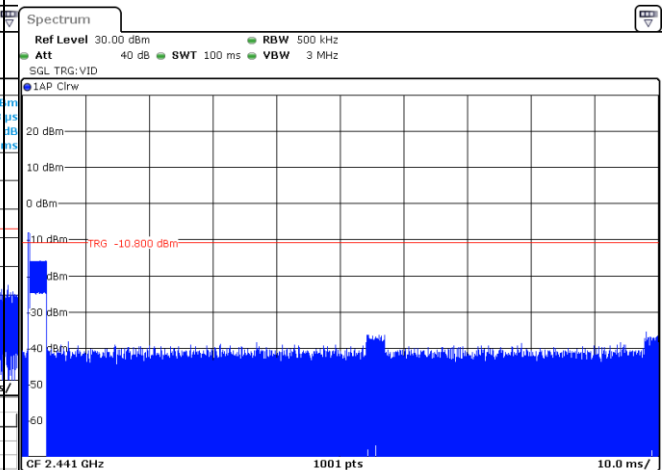
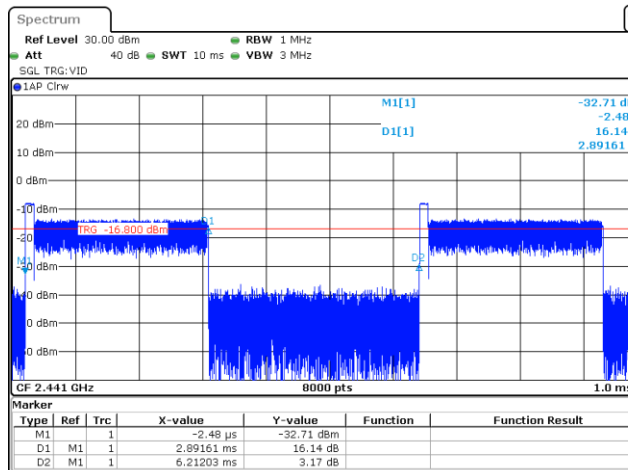
Date: 3APR2020 15:33:23

Date: 3APR2020 15:33:31

T_{on} time for single burst

Burst Quantity

$\pi/4$ DQPSK



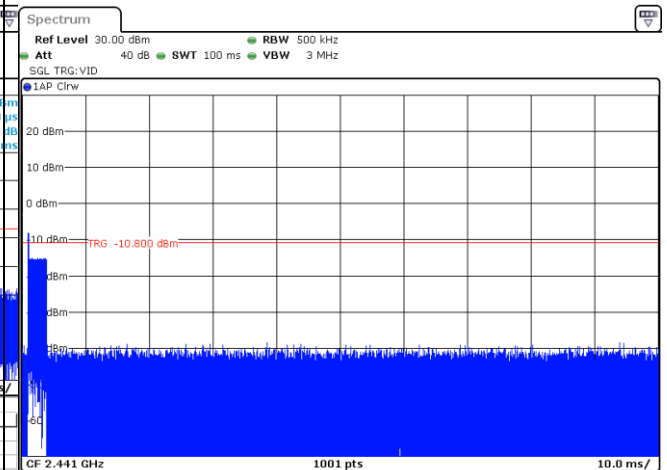
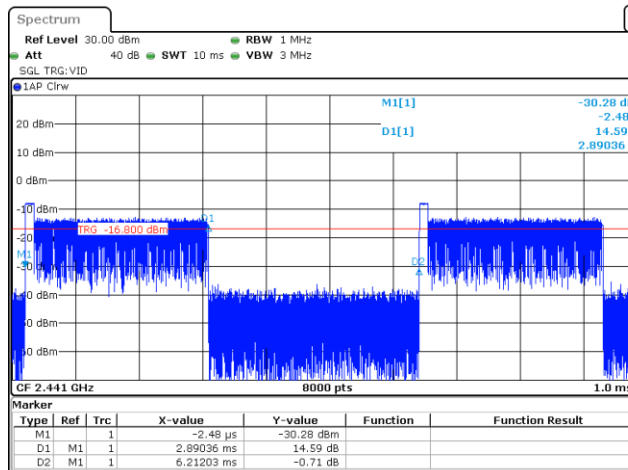
Date: 3APR2020 15:30:13

Date: 3APR2020 15:30:21

T_{on} time for single burst

Burst Quantity

8DPSK



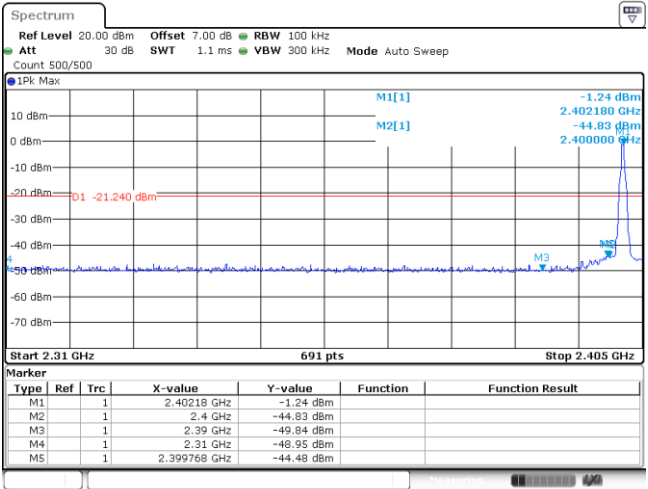
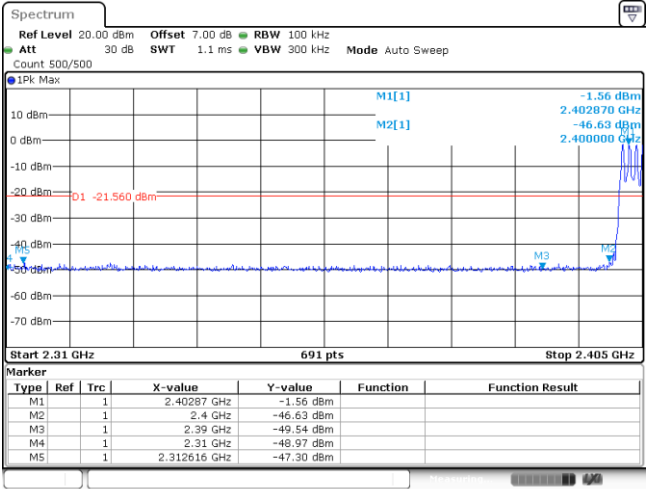
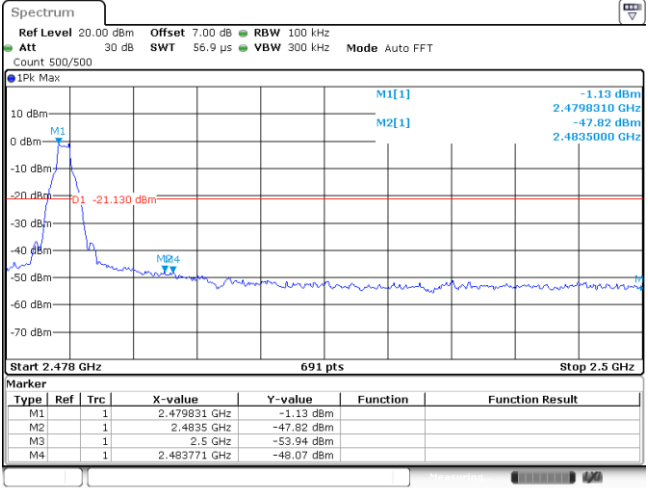
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Date: 3APR2020 15:07:58

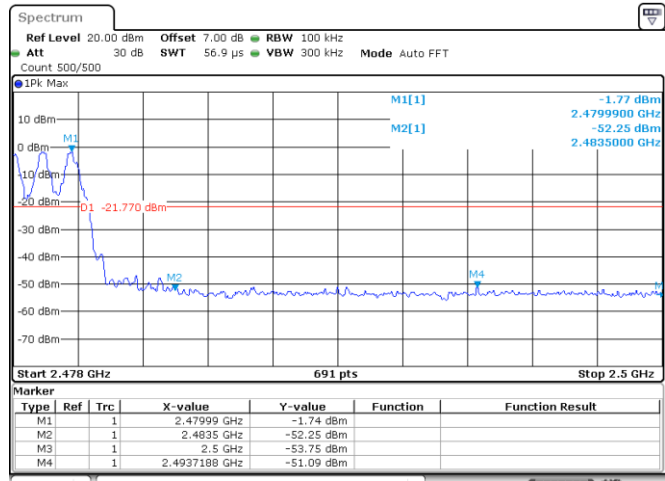
T_{on} time for single burst

Burst Quantity

Appendix H: Band edge and Spurious Emissions (conducted)

Test Item:	Band edge	Modulation type:	GFSK																																										
<p>CH00 No hopping mode</p>	 <table border="1" data-bbox="687 728 1337 840"> <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>2.40218 GHz</td> <td>-1.24 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td>1</td> <td>2.4 GHz</td> <td>-44.83 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td>1</td> <td>2.39 GHz</td> <td>-49.84 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td>1</td> <td>2.31 GHz</td> <td>-48.95 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td>1</td> <td>2.399768 GHz</td> <td>-44.48 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 3/APR/2020 14:38:07</p>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1	1	2.40218 GHz	-1.24 dBm			M2	1	1	2.4 GHz	-44.83 dBm			M3	1	1	2.39 GHz	-49.84 dBm			M4	1	1	2.31 GHz	-48.95 dBm			M5	1	1	2.399768 GHz	-44.48 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1	1	2.40218 GHz	-1.24 dBm																																									
M2	1	1	2.4 GHz	-44.83 dBm																																									
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<p>CH00 Hopping mode</p>	 <table border="1" data-bbox="687 1265 1337 1388"> <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>2.40287 GHz</td> <td>-1.56 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td>1</td> <td>2.4 GHz</td> <td>-46.63 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td>1</td> <td>2.39 GHz</td> <td>-49.54 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td>1</td> <td>2.31 GHz</td> <td>-48.97 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td>1</td> <td>2.312616 GHz</td> <td>-47.30 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 3/APR/2020 15:12:48</p>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1	1	2.40287 GHz	-1.56 dBm			M2	1	1	2.4 GHz	-46.63 dBm			M3	1	1	2.39 GHz	-49.54 dBm			M4	1	1	2.31 GHz	-48.97 dBm			M5	1	1	2.312616 GHz	-47.30 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1	1	2.40287 GHz	-1.56 dBm																																									
M2	1	1	2.4 GHz	-46.63 dBm																																									
M3	1	1	2.39 GHz	-49.54 dBm																																									
M4	1	1	2.31 GHz	-48.97 dBm																																									
M5	1	1	2.312616 GHz	-47.30 dBm																																									
<p>CH78 No hopping mode</p>	 <table border="1" data-bbox="687 1825 1337 1937"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td>1</td> <td>2.479831 GHz</td> <td>-1.13 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td>1</td> <td>2.4835 GHz</td> <td>-47.82 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td>1</td> <td>2.5 GHz</td> <td>-53.94 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td>1</td> <td>2.483771 GHz</td> <td>-48.07 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 3/APR/2020 14:43:46</p>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1	1	2.479831 GHz	-1.13 dBm			M2	1	1	2.4835 GHz	-47.82 dBm			M3	1	1	2.5 GHz	-53.94 dBm			M4	1	1	2.483771 GHz	-48.07 dBm									
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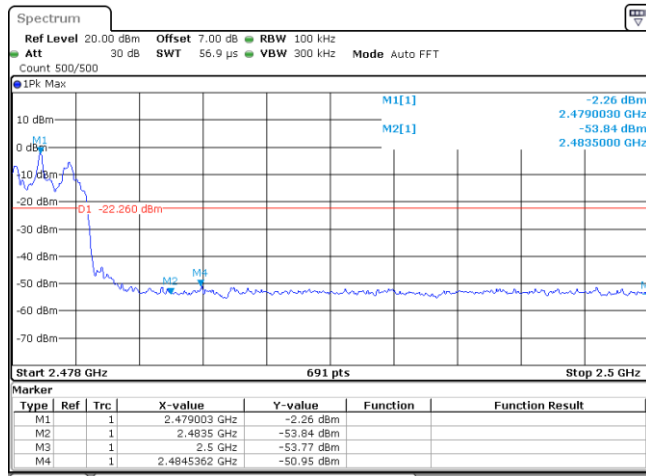
CH78
Hopping mode



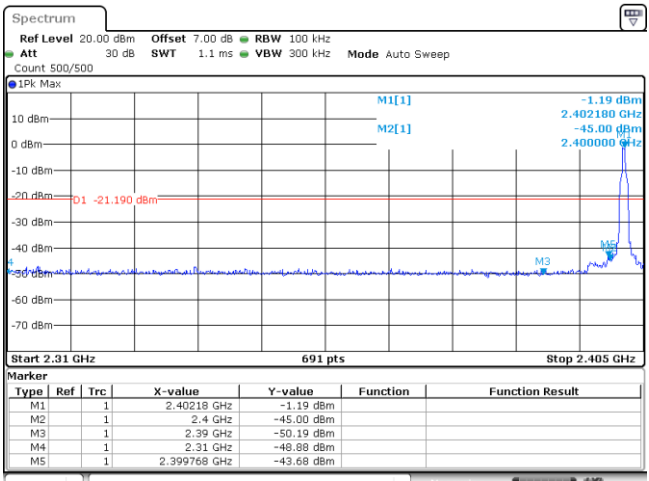
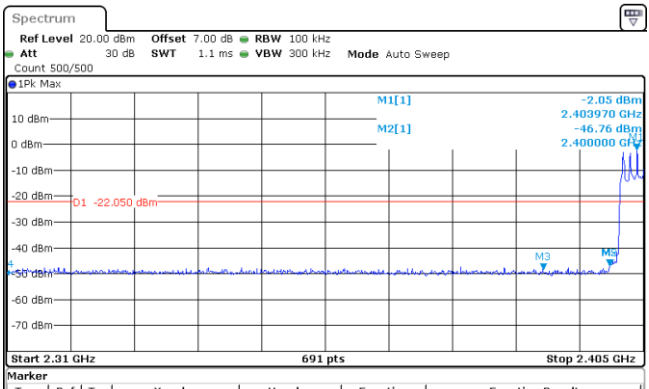
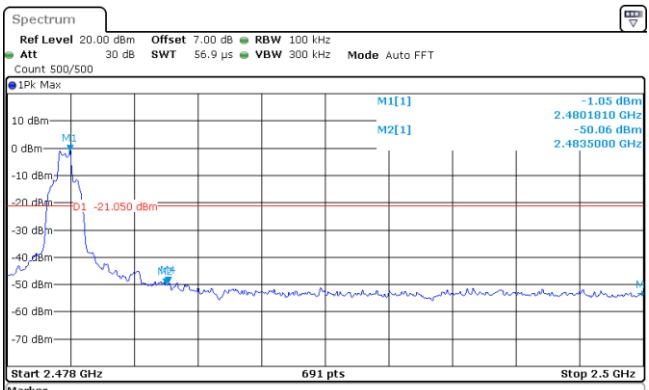
Date: 3/APR/2020 15:13:02

Test Item:	Band edge	Modulation type:	π/4DQPSK																																										
<p>CH00 No hopping mode</p>	<p>1Pk Max</p> <p>Ref Level 20.00 dBm Offset 7.00 dB RBW 100 kHz Att 30 dB SWT 1.1 ms VBW 300 kHz Mode Auto Sweep Count 500/500</p> <p>M1[1] -1.25 dBm 2.40218 GHz M2[1] -44.53 dBm 2.400000 GHz</p> <p>D1 -21.250 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>-1.25 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-44.53 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-49.56 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-50.04 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399906 GHz</td> <td>-44.58 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 3 APR 2020 14:46:36</p>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.40218 GHz	-1.25 dBm			M2	1		2.4 GHz	-44.53 dBm			M3	1		2.39 GHz	-49.56 dBm			M4	1		2.31 GHz	-50.04 dBm			M5	1		2.399906 GHz	-44.58 dBm		
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<p>CH00 Hopping mode</p>	<p>1Pk Max</p> <p>Ref Level 20.00 dBm Offset 7.00 dB RBW 100 kHz Att 30 dB SWT 1.1 ms VBW 300 kHz Mode Auto Sweep Count 500/500</p> <p>M1[1] -1.24 dBm 2.404240 GHz M2[1] -49.20 dBm 2.400000 GHz</p> <p>D1 -21.240 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>2.40424 GHz</td> <td>-1.24 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-49.20 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-48.93 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-49.22 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.398667 GHz</td> <td>-46.64 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 3 APR 2020 15:14:40</p>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.40424 GHz	-1.24 dBm			M2	1		2.4 GHz	-49.20 dBm			M3	1		2.39 GHz	-48.93 dBm			M4	1		2.31 GHz	-49.22 dBm			M5	1		2.398667 GHz	-46.64 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
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M5	1		2.398667 GHz	-46.64 dBm																																									
<p>CH78 No hopping mode</p>	<p>1Pk Max</p> <p>Ref Level 20.00 dBm Offset 7.00 dB RBW 100 kHz Att 30 dB SWT 56.9 μs VBW 300 kHz Mode Auto FFT Count 500/500</p> <p>M1[1] -1.05 dBm 2.4801810 GHz M2[1] -49.57 dBm 2.4835000 GHz</p> <p>D1 -21.050 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>2.480181 GHz</td> <td>-1.05 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-49.57 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-52.76 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.4835159 GHz</td> <td>-49.53 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 3 APR 2020 15:02:22</p>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.480181 GHz	-1.05 dBm			M2	1		2.4835 GHz	-49.57 dBm			M3	1		2.5 GHz	-52.76 dBm			M4	1		2.4835159 GHz	-49.53 dBm									
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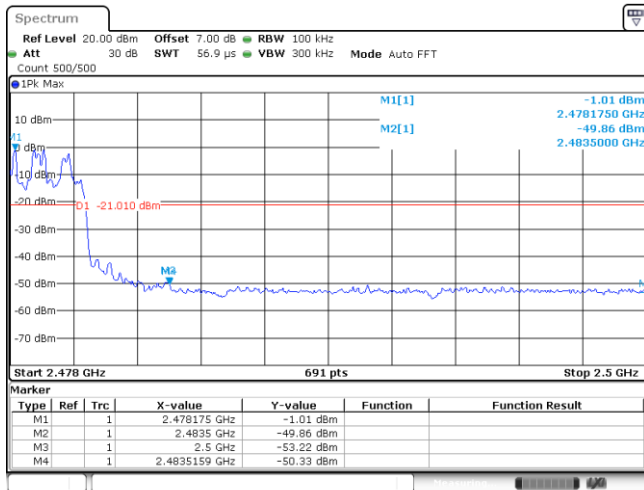
CH78
Hopping mode



Date: 3/APR/2020 15:15:07

Test Item:	Band edge	Modulation type:	8DPSK																																										
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Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
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<p>CH00 Hopping mode</p>	 <table border="1" data-bbox="686 1162 1337 1274"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>2.40397 GHz</td> <td>-2.05 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.4 GHz</td> <td>-46.76 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td></td> <td>1</td> <td>2.39 GHz</td> <td>-48.48 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td></td> <td>1</td> <td>2.31 GHz</td> <td>-49.61 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td></td> <td>1</td> <td>2.399906 GHz</td> <td>-46.74 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 3 APR 2020 15:16:58</p>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1		1	2.40397 GHz	-2.05 dBm			M2		1	2.4 GHz	-46.76 dBm			M3		1	2.39 GHz	-48.48 dBm			M4		1	2.31 GHz	-49.61 dBm			M5		1	2.399906 GHz	-46.74 dBm		
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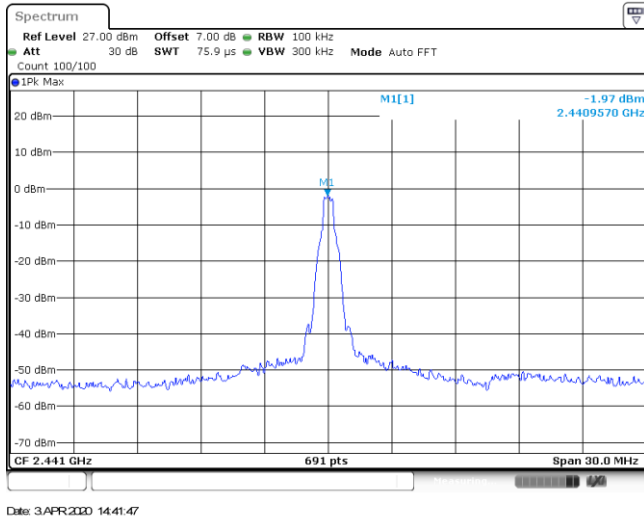
CH78
Hoppig mode



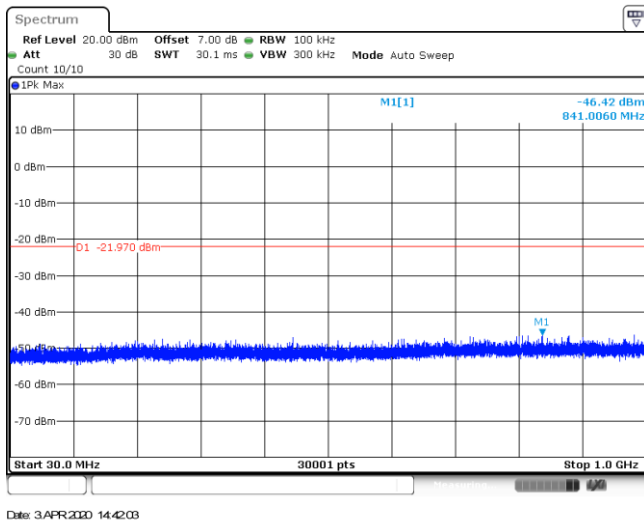
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Test Item:	Spurious Emission	Modulation type:	GFSK
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<p>CH00 30MHz~1000MHz</p>	<p>Spectrum Ref Level 20.00 dBm Offset 7.00 dB RBW 100 kHz Att 30 dB SWT 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 IPk Max M1[1] -45.51 dBm 801.6900 MHz M1 D1 -21.940 dBm Start 30.0 MHz 30001 pts Stop 1.0 GHz Date: 3 APR 2020 14:37:03</p>		
<p>CH00 1GHz~26GHz</p>	<p>Spectrum Ref Level 26.00 dBm Offset 7.00 dB RBW 100 kHz Att 35 dB SWT 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 IPk Max M1[1] -27.96 dBm 7.206667 GHz M1 D1 -21.940 dBm Start 1.0 GHz 30001 pts Stop 26.0 GHz Date: 3 APR 2020 14:37:19</p>		

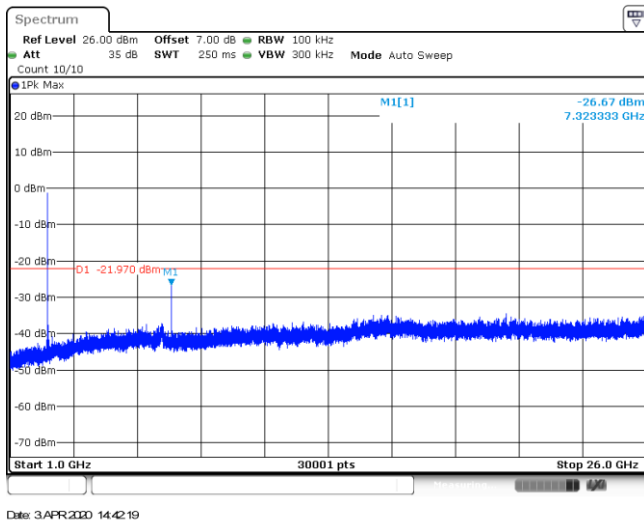
CH39
Reference level



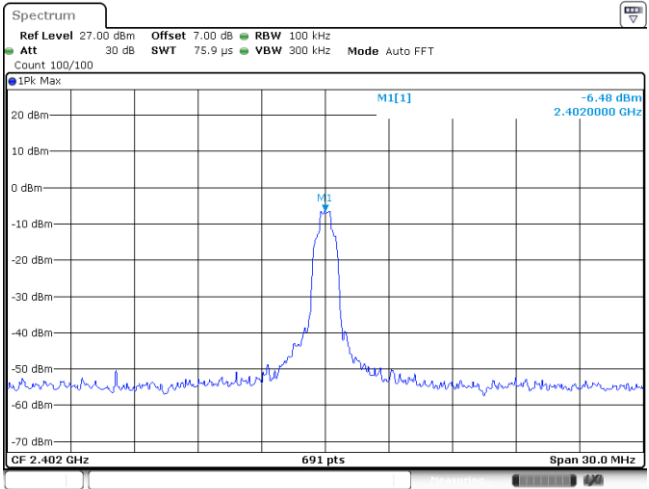
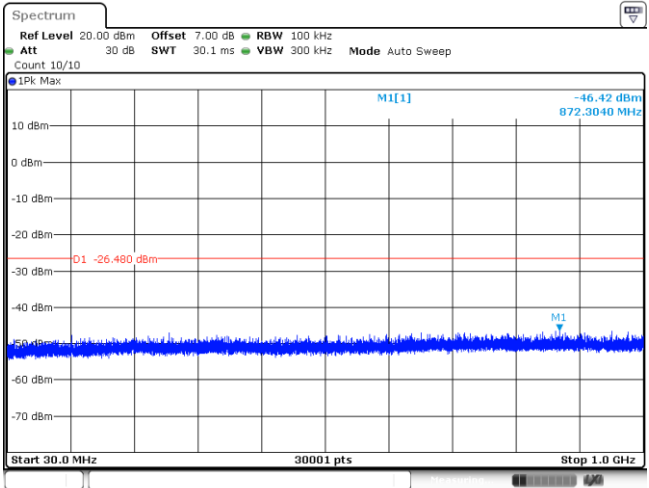
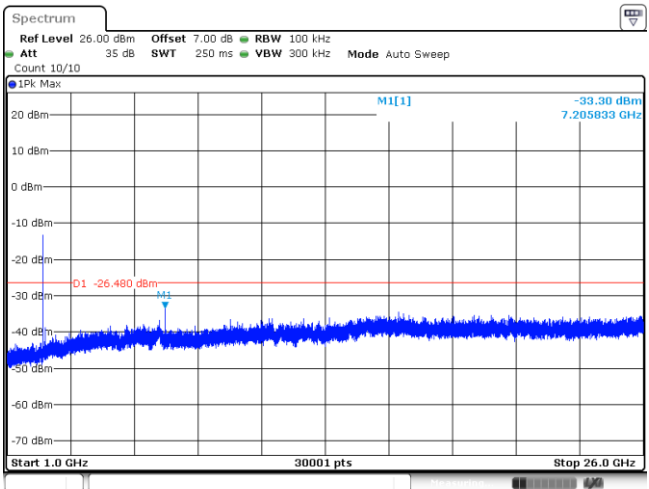
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30MHz~1000MHz



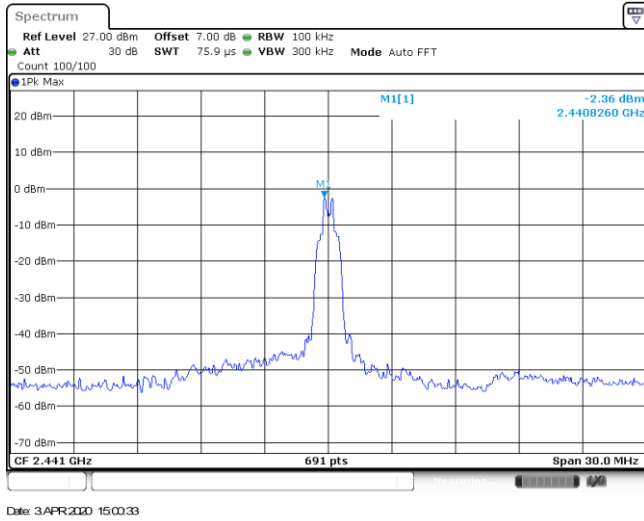
CH39
1GHz~26GHz



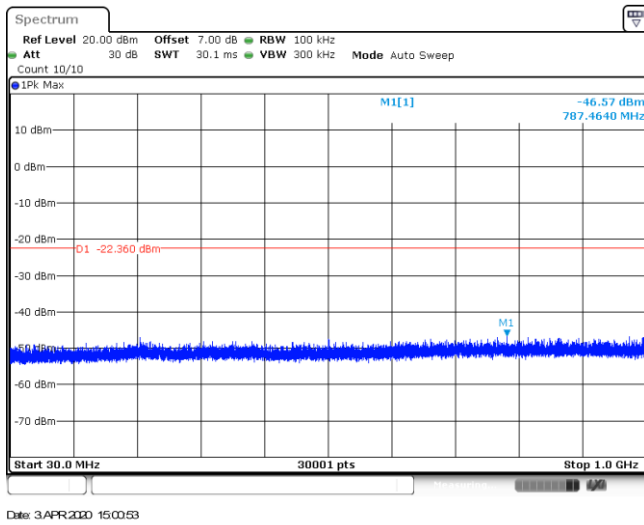
<p>CH78 Reference level</p>	<p>Spectrum Ref Level 27.00 dBm Offset 7.00 dB RBW 100 kHz Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT Count 100/100 IPK Max M1[1] -2.06 dBm 2.4798260 GHz CF 2.48 GHz 691 pts Span 30.0 MHz Date: 3/20/2020 14:44:17</p>
<p>CH78 30MHz~1000MHz</p>	<p>Spectrum Ref Level 20.00 dBm Offset 7.00 dB RBW 100 kHz Att 30 dB SWT 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 IPK Max M1[1] -46.62 dBm 842.0080 MHz D1 -22.060 dBm Start 30.0 MHz 30001 pts Stop 1.0 GHz Date: 3/20/2020 14:44:33</p>
<p>CH78 1GHz~26GHz</p>	<p>Spectrum Ref Level 26.00 dBm Offset 7.00 dB RBW 100 kHz Att 35 dB SWT 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 IPK Max M1[1] -32.14 dBm 7.439167 GHz D1 -22.060 dBm Start 1.0 GHz 30001 pts Stop 26.0 GHz Date: 3/20/2020 14:44:49</p>

Test Item:	Spurious Emission	Modulation type:	π/4DQPSK
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<p>CH00 30MHz~1000MHz</p>	 <p>Date: 3 APR 2020 14:47:03</p>		
<p>CH00 1GHz~26GHz</p>	 <p>Date: 3 APR 2020 14:47:19</p>		

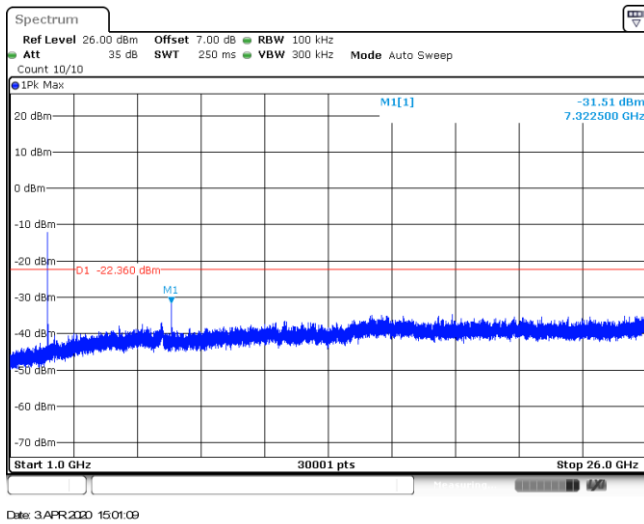
CH39
Reference level



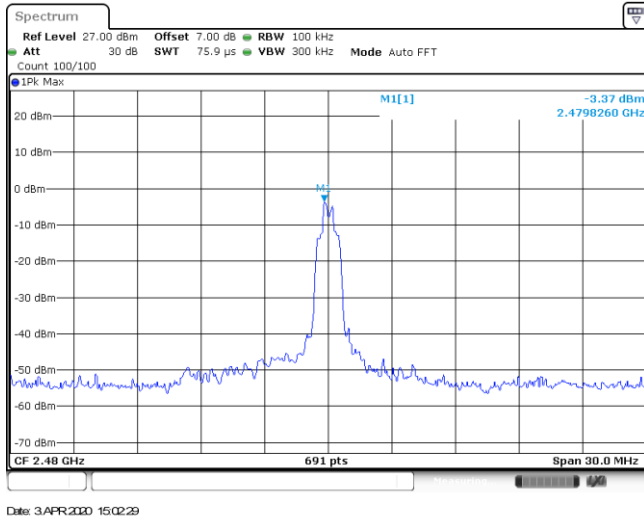
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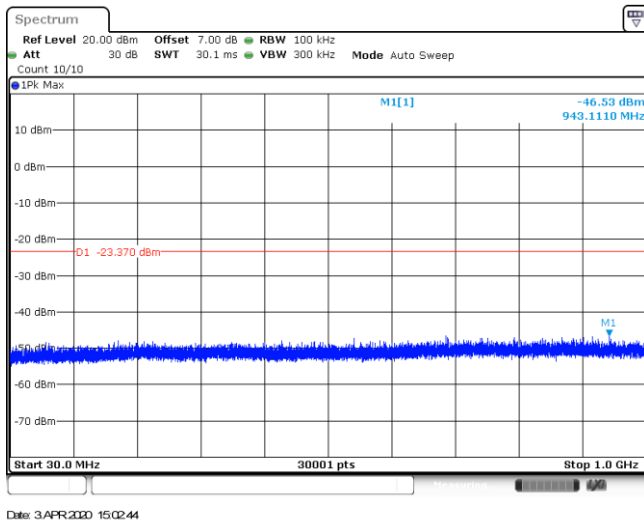
CH39
1GHz~26GHz



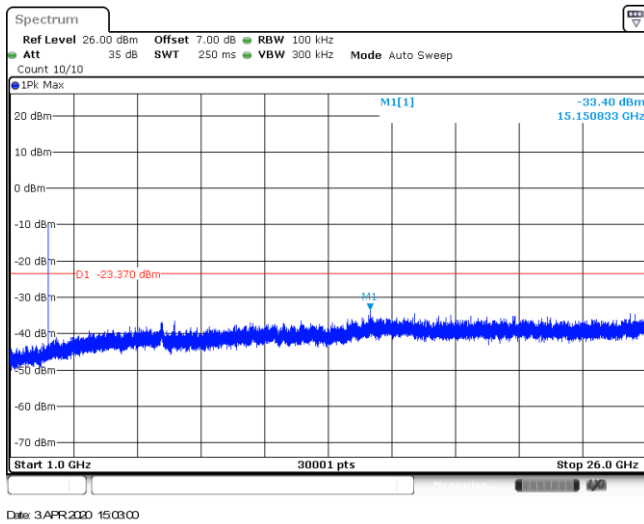
CH78
Reference level

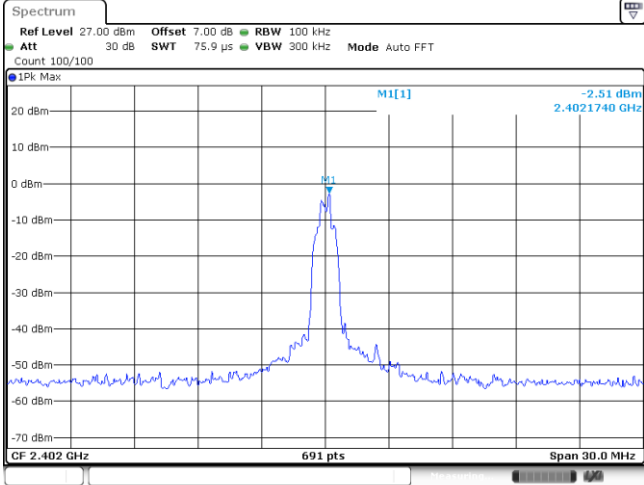
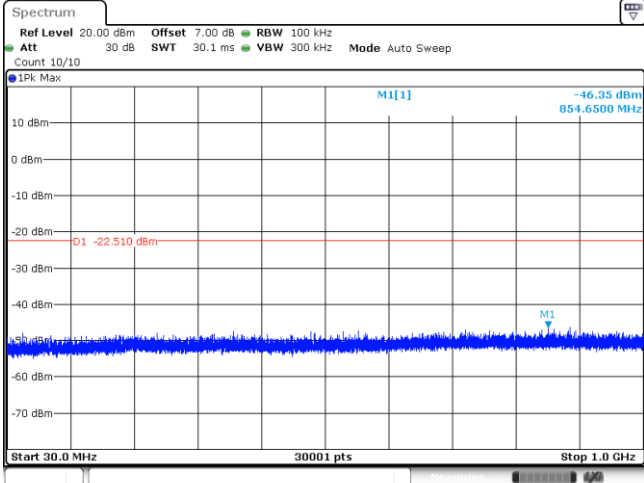
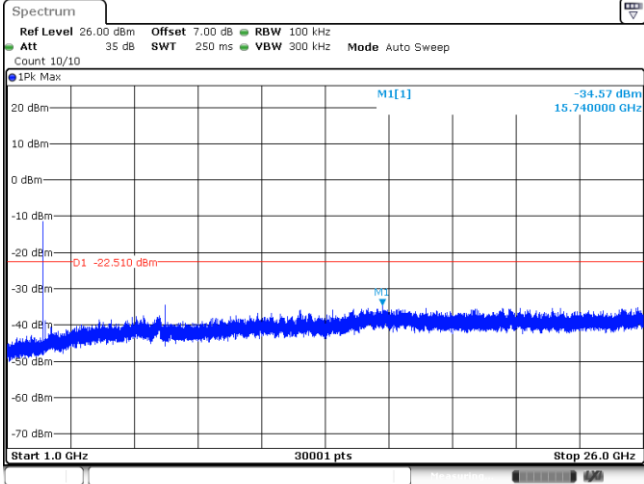


CH78
30MHz~1000MHz

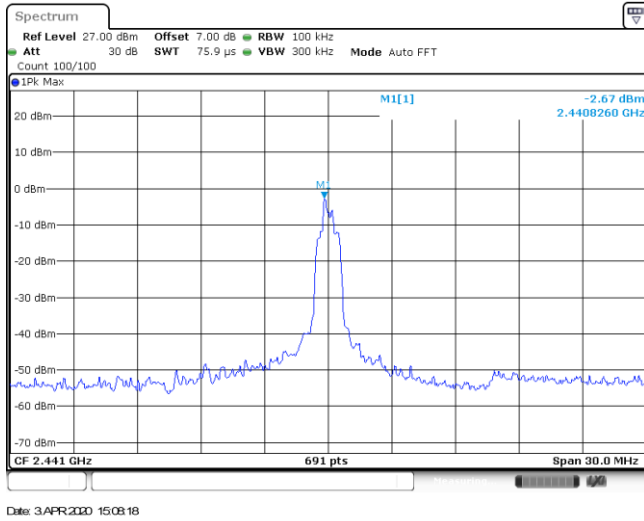


CH78
1GHz~26GHz

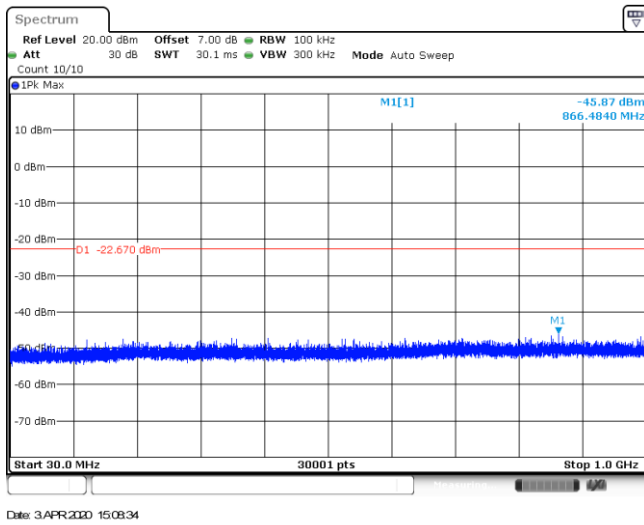


Test Item:	Spurious Emission	Modulation type:	8DPSK
<p>CH00 Reference level</p>	 <p>Spectrum Ref Level 27.00 dBm Offset 7.00 dB RBW 100 kHz Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT Count 100/100 1Pk Max M1[1] -2.51 dBm 2.4021740 GHz CF 2.402 GHz 691 pts Span 30.0 MHz Date: 3 APR 2020 15:04:25</p>		
<p>CH00 30MHz~1000MHz</p>	 <p>Spectrum Ref Level 20.00 dBm Offset 7.00 dB RBW 100 kHz Att 30 dB SWT 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1Pk Max M1[1] -46.35 dBm 854.6500 MHz D1 -22.510 dBm Start 30.0 MHz 30001 pts Stop 1.0 GHz Date: 3 APR 2020 15:04:40</p>		
<p>CH00 1GHz~26GHz</p>	 <p>Spectrum Ref Level 26.00 dBm Offset 7.00 dB RBW 100 kHz Att 35 dB SWT 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1Pk Max M1[1] -34.57 dBm 15.740000 GHz D1 -22.510 dBm Start 1.0 GHz 30001 pts Stop 26.0 GHz Date: 3 APR 2020 15:04:56</p>		

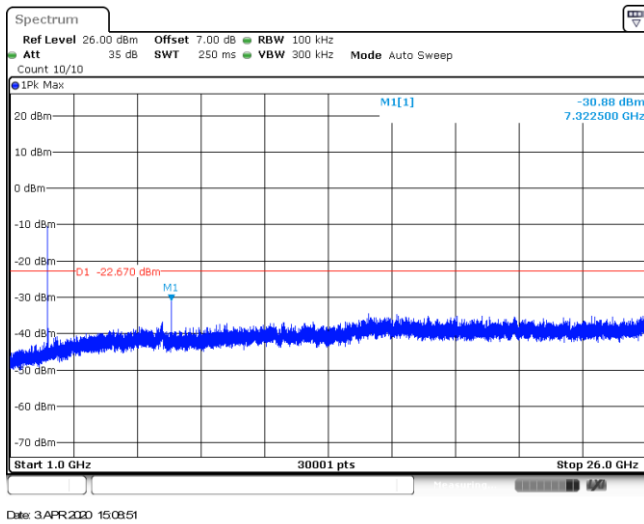
CH39
Reference level



CH39
30MHz~1000MHz



CH39
1GHz~26GHz



<p>CH78 Reference level</p>	<p>Date: 3 APR 2020 15:10:34</p>
<p>CH78 30MHz~1000MHz</p>	<p>Date: 3 APR 2020 15:10:50</p>
<p>CH78 1GHz~26GHz</p>	<p>Date: 3 APR 2020 15:11:03</p>

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