

APPENDIX REPORT

Project No.	SHT2009005901EW	Radio Specification	Bluetooth EDR
Test sample No.	YPHT20090059017	Model No.	NOBU A55 PRO
Start test date	2020/9/7	Finish date	2020/9/7
Temperature	25°C	Humidity	50%
Test Engineer	Jiongsheng.Feng	Auditor	Xiaodong Zheo

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

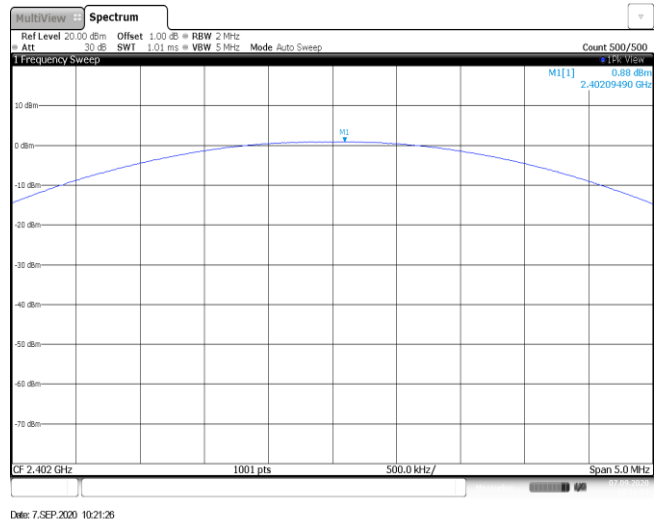
Appendix A: Peak Output Power

Modulation type	Channel	Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
GFSK	00	0.97	0.96	≤ 30.00	Pass
	39	2.14	2.11		
	78	2.59	2.57		
π/4DQPSK	00	0.88	0.28	≤ 21.00	Pass
	39	2.04	1.38		
	78	2.45	1.80		
8DPSK	00	1.05	0.39	≤ 21.00	Pass
	39	2.31	1.60		
	78	2.71	2.02		

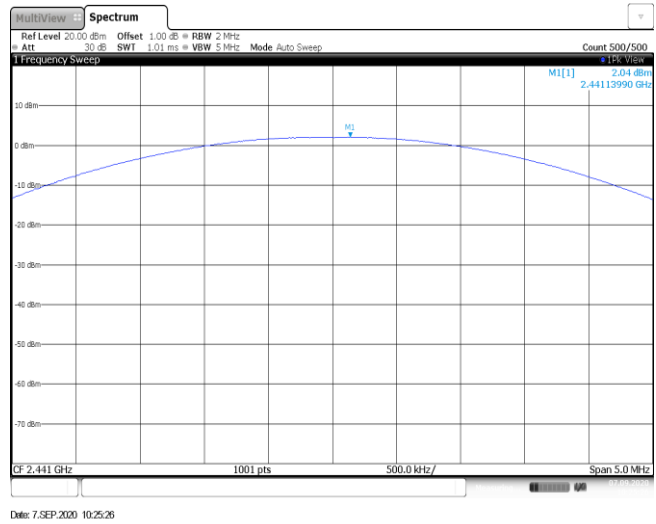
Modulation Type:		GFSK
CH00	<p>Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Att 30 dB SWI 4.21 us (~31 ms) VBW 3 MHz Mode Auto FFT Count 300/300 1 Frequency Sweep M1[1] 0.97 dBm 2.40187010 GHz CF 2.402 GHz 1001 pts 500.0 kHz/ Span 5.0 MHz Date: 7.SEP.2020 10:09:01</p>	
CH39	<p>Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Att 30 dB SWI 4.21 us (~31 ms) VBW 3 MHz Mode Auto FFT Count 300/300 1 Frequency Sweep M1[1] 2.14 dBm 2.44088010 GHz CF 2.441 GHz 1001 pts 500.0 kHz/ Span 5.0 MHz Date: 7.SEP.2020 10:13:56</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 300/300 1 Frequency Sweep M1[1] 2.59 dBm 2.47995000 GHz CF 2.48 GHz 1001 pts 500.0 kHz/ Span 5.0 MHz Date: 7.SEP.2020 10:16:18</p>	

Modulation Type: $\pi/4$ DQPSK

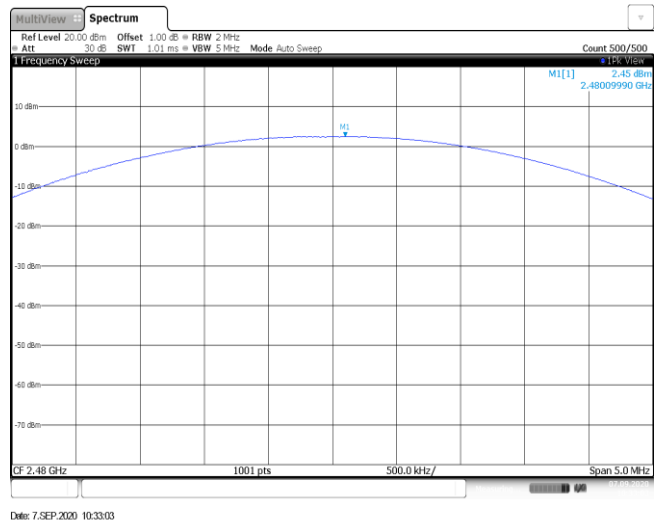
CH00



CH39

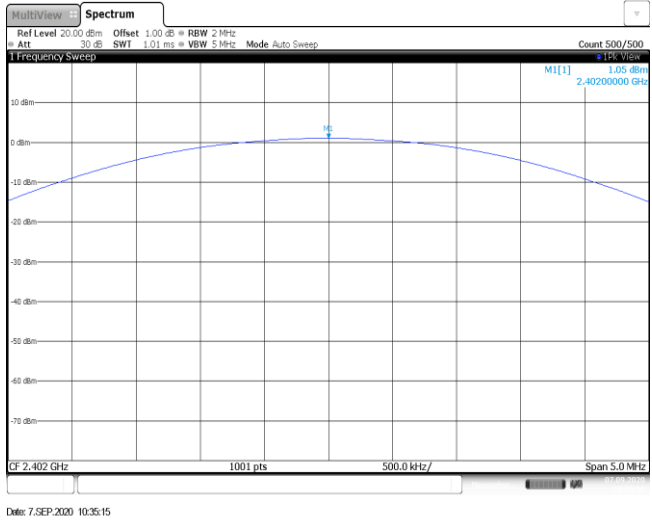


CH78

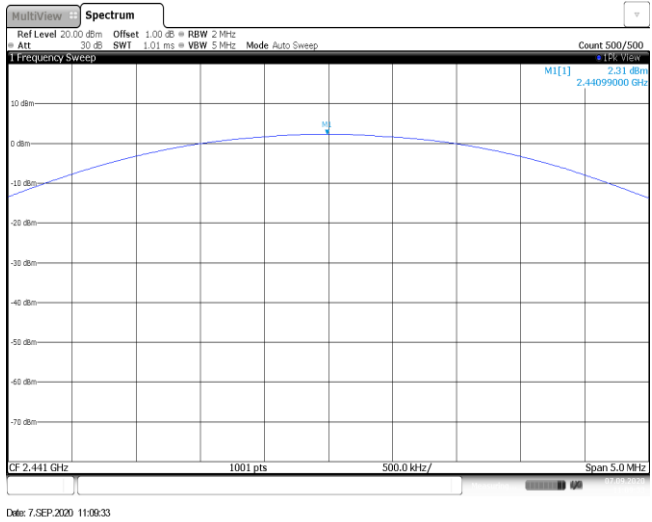


Modulation Type: 8DPSK

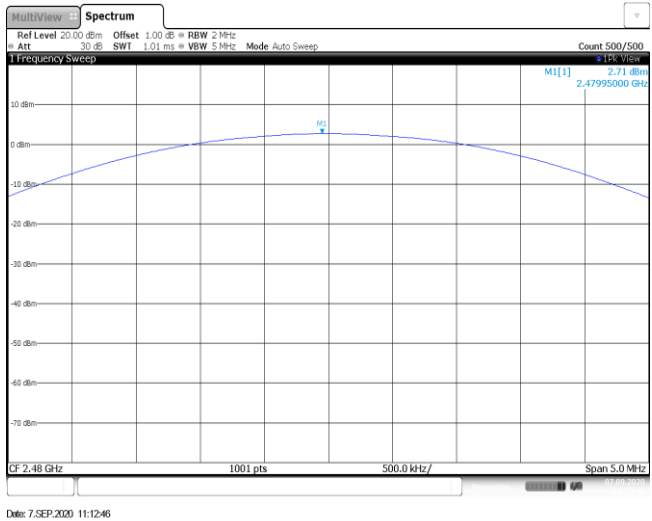
CH00



CH39



CH78

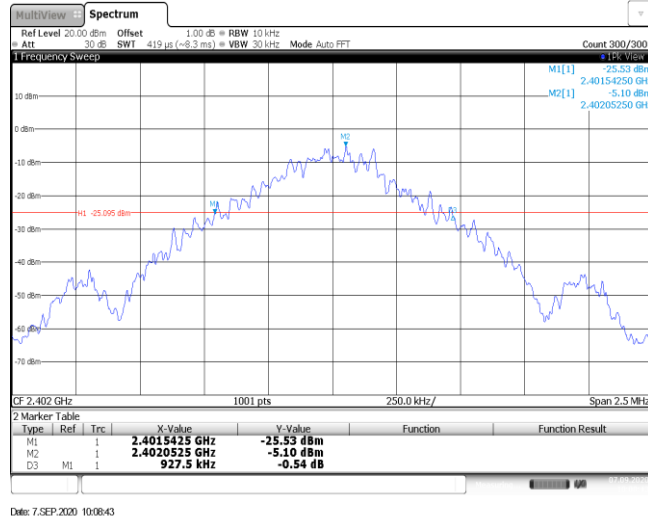


Appendix B : 20 dB Bandwidth

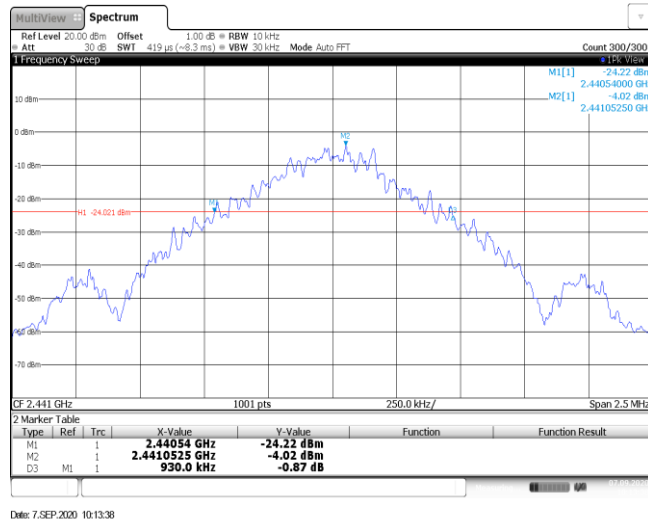
Modulation type	Channel	20 dB Bandwidth (kHz)	Limit (kHz)	Result
GFSK	00	927.50	-	Pass
	39	930.00		
	78	927.50		
$\pi/4$ DQPSK	00	1287.50	-	Pass
	39	1287.50		
	78	1285.00		
8DPSK	00	1292.50	-	Pass
	39	1297.50		
	78	1297.50		

Modulation Type: GFSK

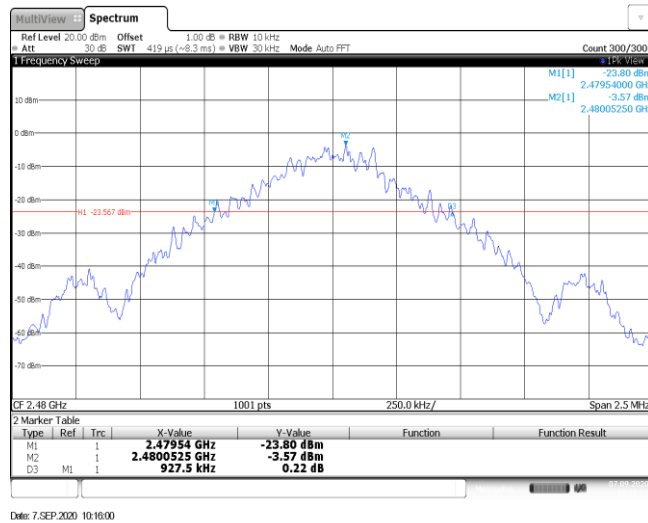
CH00



CH39

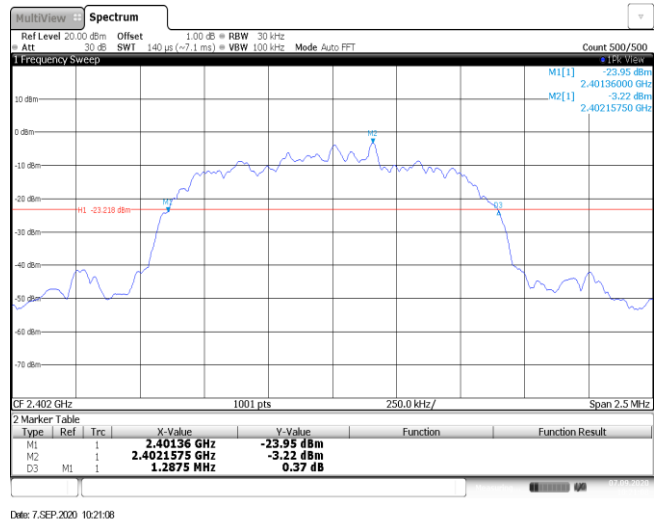


CH78

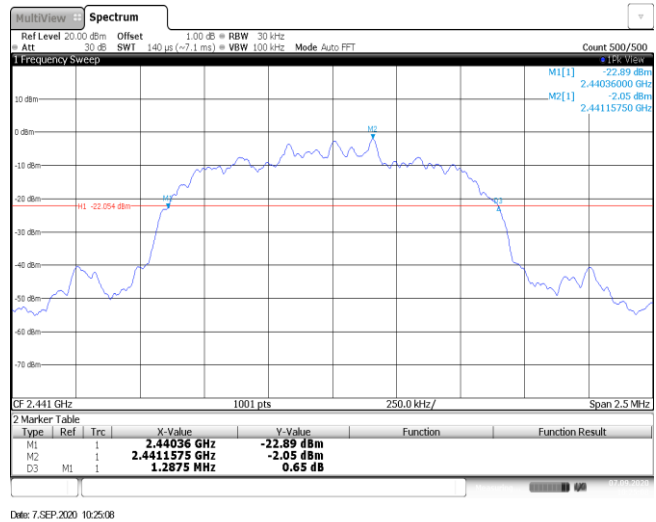


Modulation Type: $\pi/4$ DQPSK

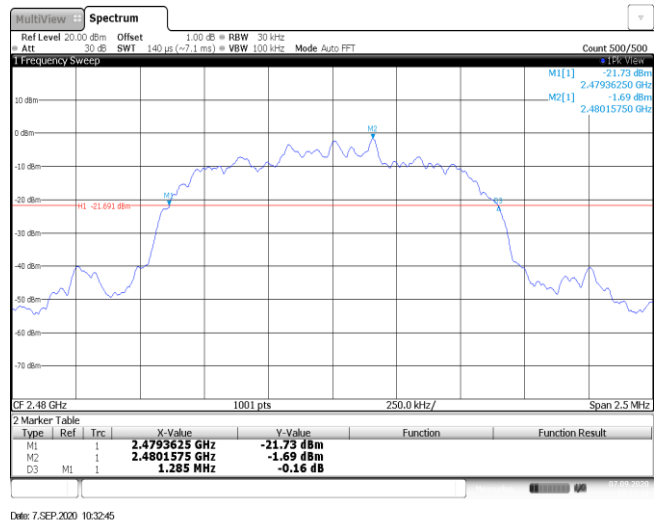
CH00



CH39

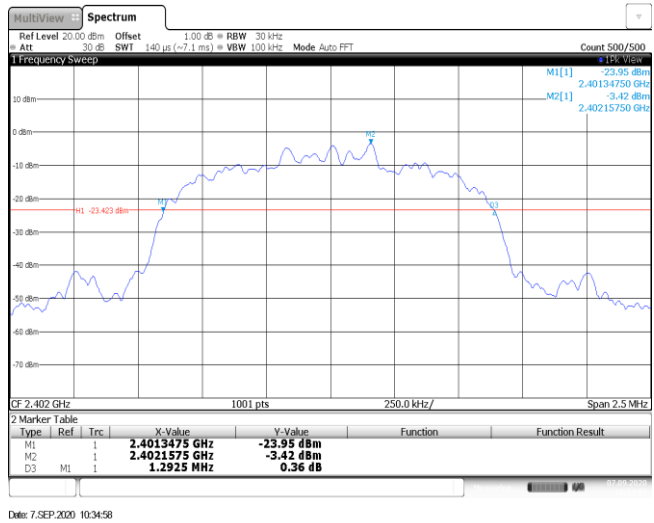


CH78

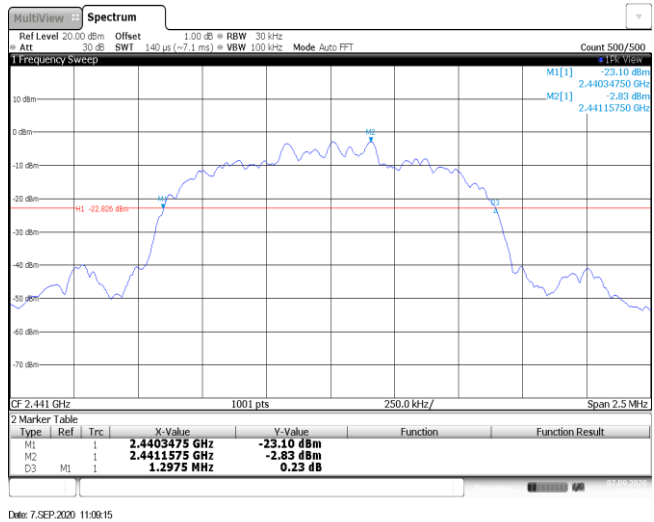


Modulation Type: 8DPSK

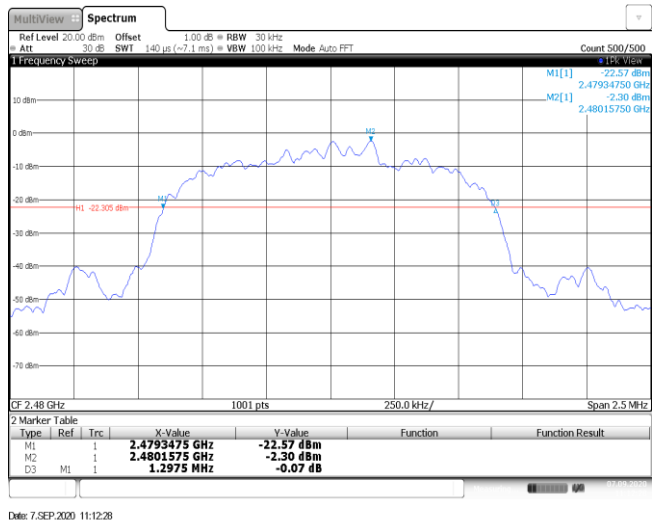
CH00



CH39



CH78

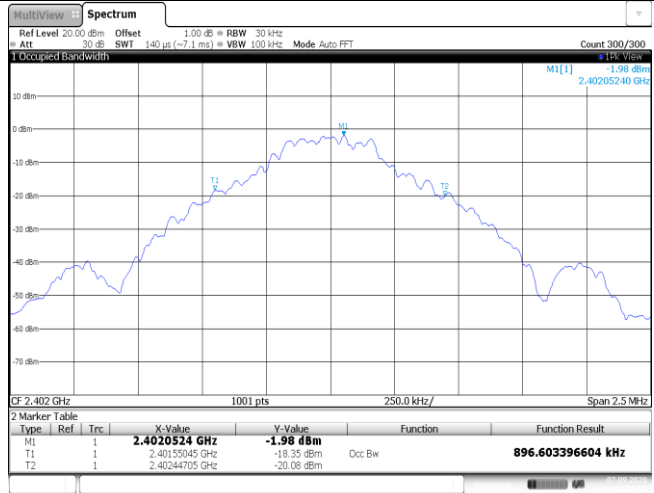


Appendix C: 99% Occupied Bandwidth

Modulation type	Channel	99% Occupied Bandwidth (MHz)	Limit (MHz)	Result
GFSK	00	0.90	-	Pass
	39	0.90		
	78	0.90		
$\pi/4$ DQPSK	00	1.17	-	Pass
	39	1.16		
	78	1.16		
8DPSK	00	1.16	-	Pass
	39	1.17		
	78	1.17		

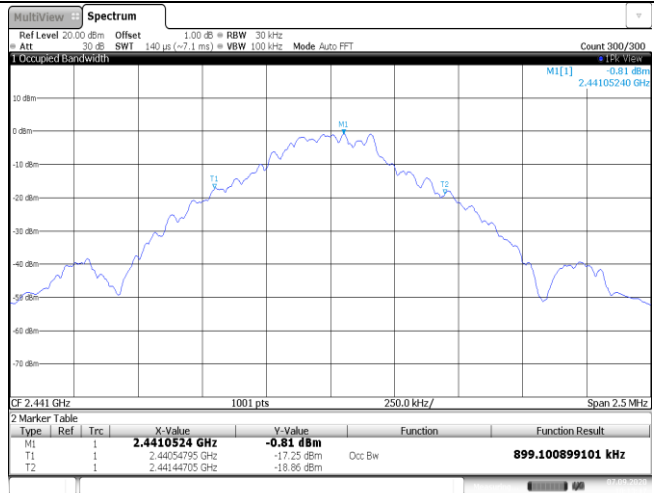
Modulation Type: GFSK

CH00



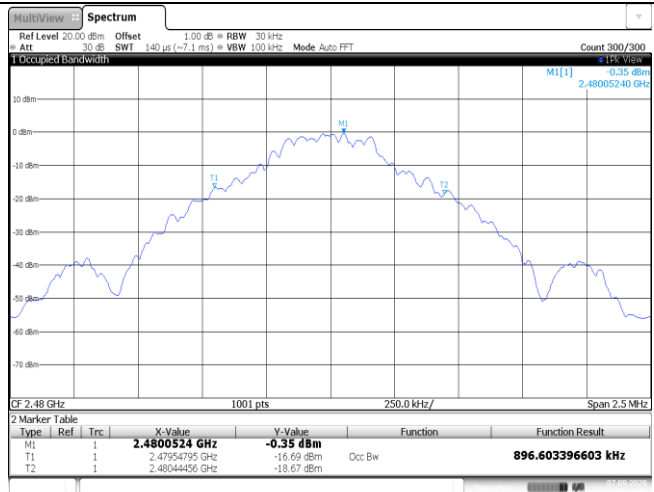
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CH39



Date: 7.SEP.2020 10:13:47

CH78



Date: 7.SEP.2020 10:16:09

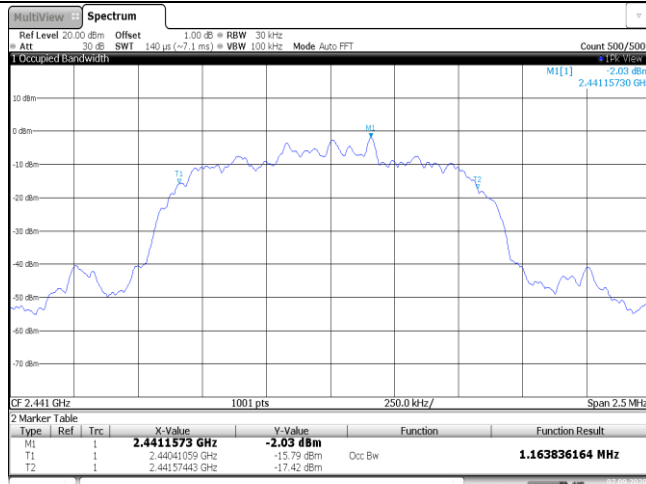
Modulation Type: $\pi/4$ DQPSK

CH00



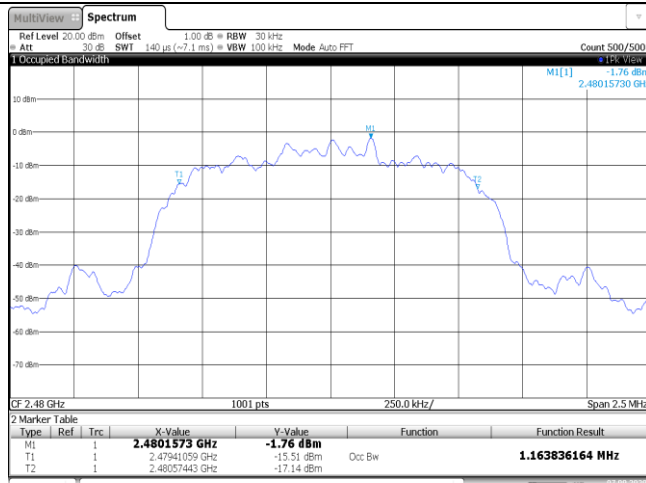
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CH39



Date: 7,SEP,2020 10:25:16

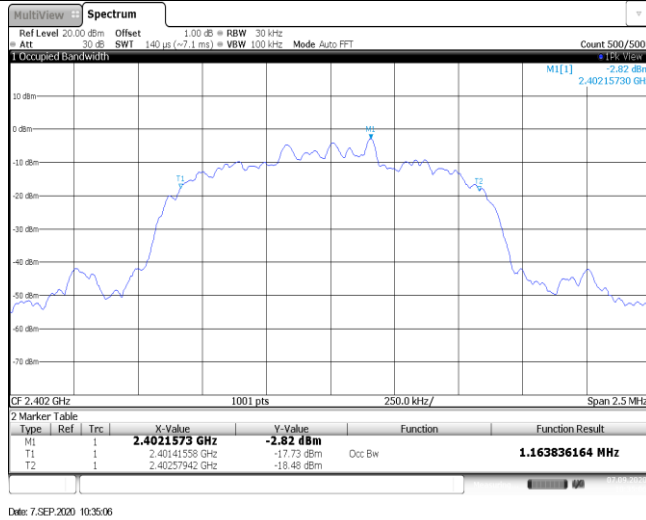
CH78



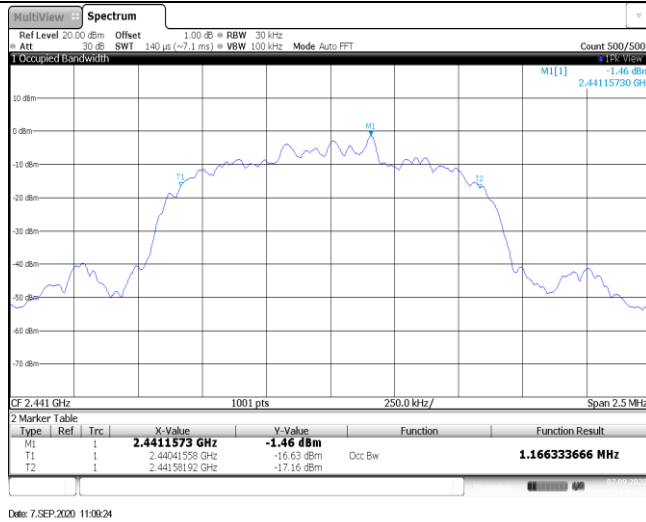
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Modulation Type: 8DPSK

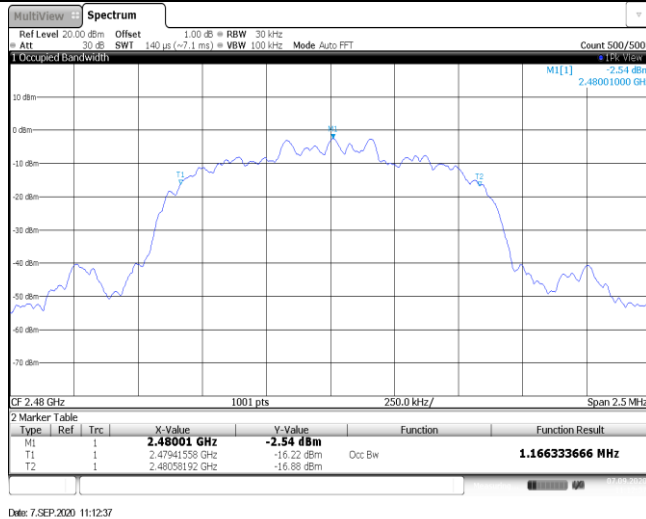
CH00



CH39



CH78



Appendix D: Carrier Frequencies Separation

Modulation type	Channel	Carrier Frequencies Separation (MHz)	Limit (kHz) *	Result
GFSK	39	1.00	≥930.00	Pass
π/4DQPSK	39	1.00	≥858.33	Pass
8DPSK	39	1.00	≥865.00	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.

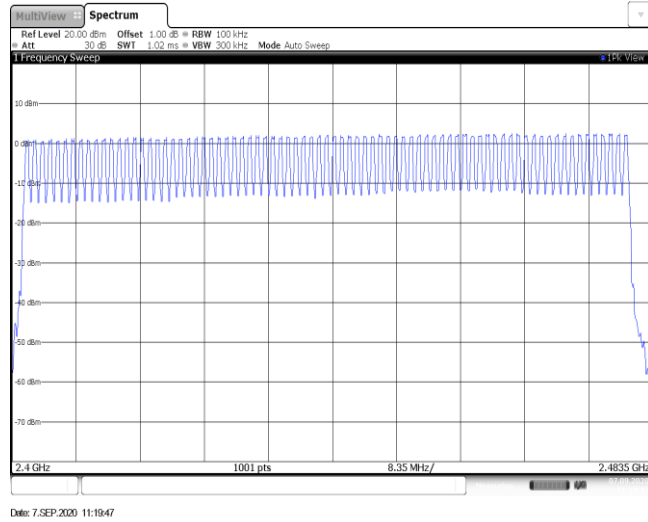
8DPSK limit = 2/3 * The maximum 20 dB Bandwidth for 8DPSK modulation on the appendix B

<p style="text-align: center;">GFSK</p>	
<p style="text-align: center;">$\pi/4$DQPSK</p>	
<p style="text-align: center;">8DPSK</p>	

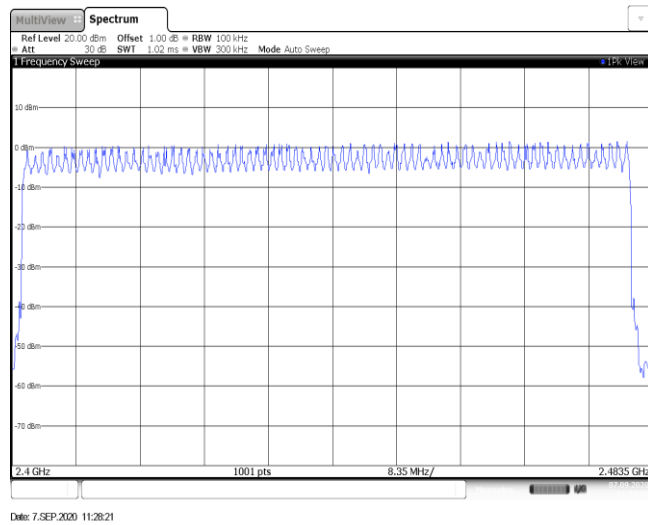
Appendix E: Hopping Channel Number

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

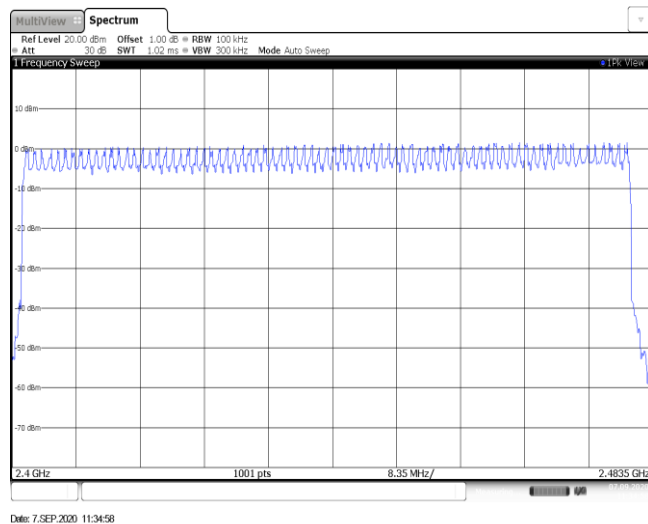
GFSK



$\pi/4$ DQPSK



8DPSK

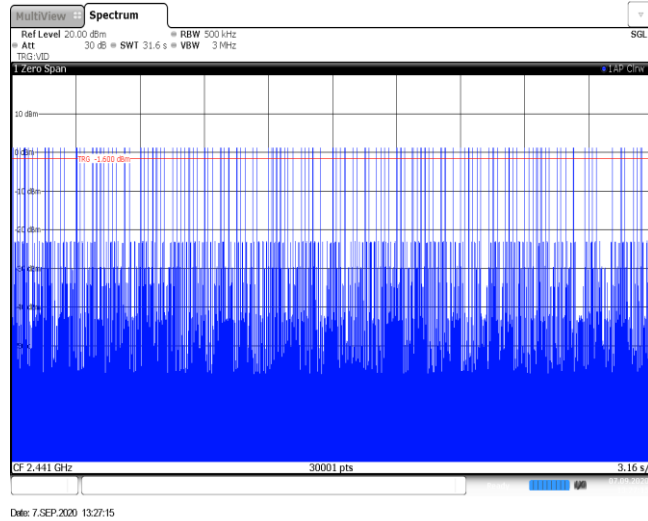


Appendix F: Dwell Time

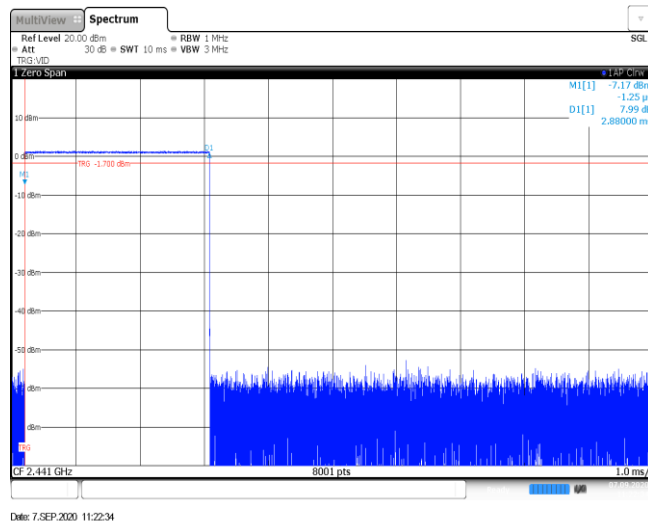
Modulation type	Packet	Burst Width [ms]	Total Hops[hop*ch]	Dwell time (Second)	Limit (Second)	Result
GFSK	DH1	0.38	309	0.12	≤ 0.40	Pass
	DH3	1.63	157	0.26		
	DH5	2.88	110	0.32		
π/4DQPSK	2DH1	0.39	315	0.12	≤ 0.40	Pass
	2DH3	1.64	158	0.26		
	2DH5	2.88	108	0.31		
8DPSK	3DH1	0.39	313	0.12	≤ 0.40	Pass
	3DH3	1.64	159	0.26		
	3DH5	2.89	109	0.32		

Modulation Type:	GFSK
<p>DH1 Burst width</p>	
<p>DH1 Burst number</p>	
<p>DH3 Burst width</p>	

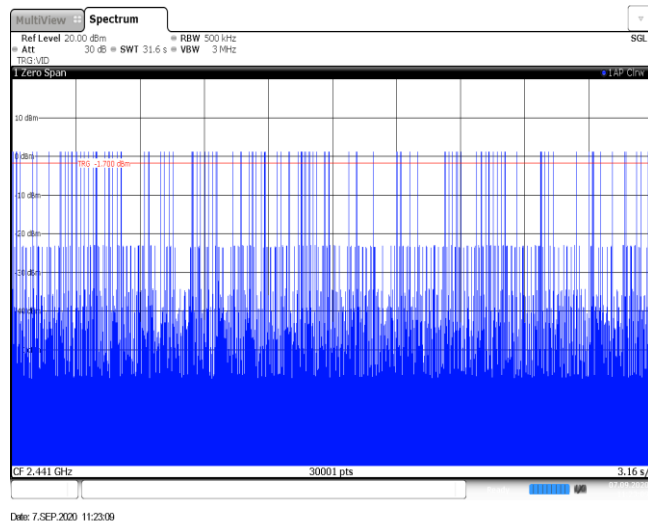
DH3
Burst number



DH5
Burst width

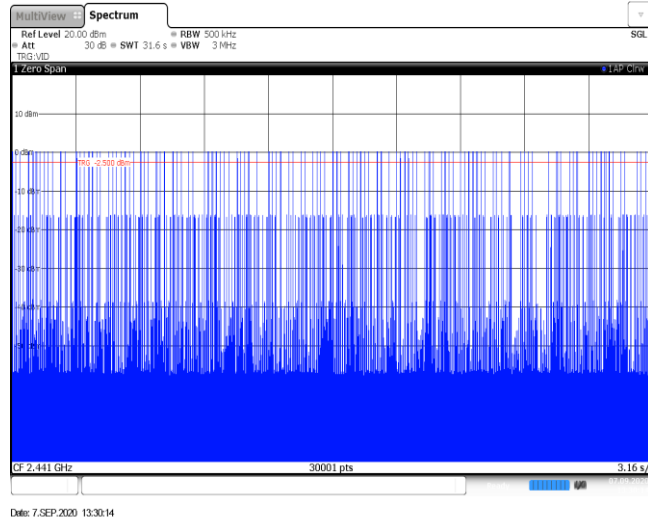


DH5
Burst number

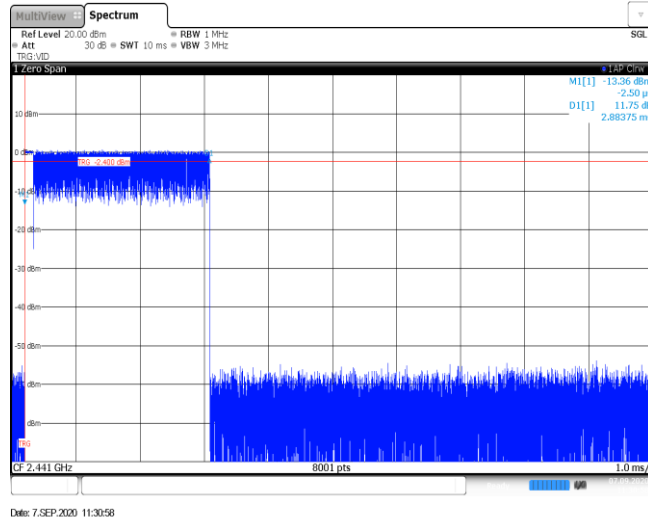


Modulation Type:	$\pi/4$ DQPSK
<p>2DH1 Burst width</p>	<p>MultiView Spectrum Ref Level 20.00 dBm RBW 1 MHz Att 30 dB SWT 10 ms VBW 3 MHz TSG V/D 1 Zero Span M[1] -18.69 dBm D[1] 17.29 dB 385.00 ps CF 2.441 GHz 8001 pts 1.0 ms/ Date: 7.SEP.2020 13:28:40</p>
<p>2DH1 Burst number</p>	<p>MultiView Spectrum Ref Level 20.00 dBm RBW 500 kHz Att 30 dB SWT 31.6 s VBW 3 MHz TSG V/D 1 Zero Span CF 2.441 GHz 30001 pts 3.16 s/ Date: 7.SEP.2020 13:29:14</p>
<p>2DH3 Burst width</p>	<p>MultiView Spectrum Ref Level 20.00 dBm RBW 1 MHz Att 30 dB SWT 10 ms VBW 3 MHz TSG V/D 1 Zero Span M[1] -9.70 dBm D[1] 8.16 dB 1.63625 ms CF 2.441 GHz 8001 pts 1.0 ms/ Date: 7.SEP.2020 13:29:39</p>

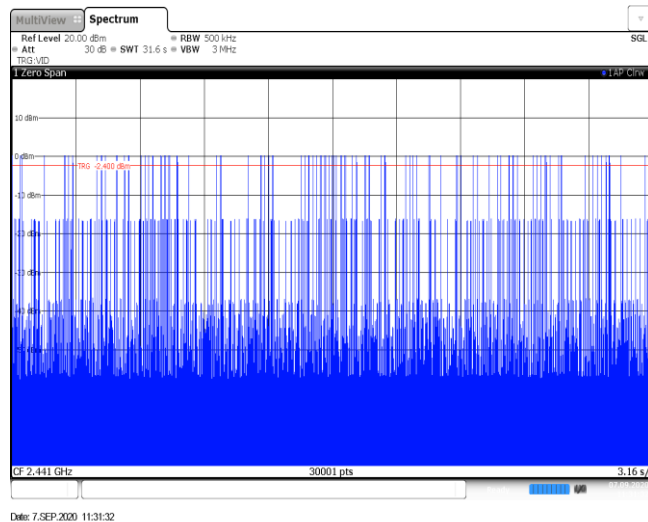
2DH3
Burst number



2DH5
Burst width

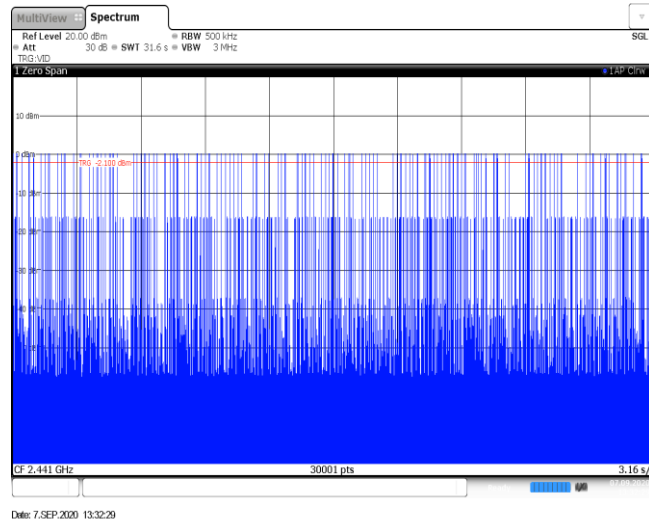


2DH5
Burst number

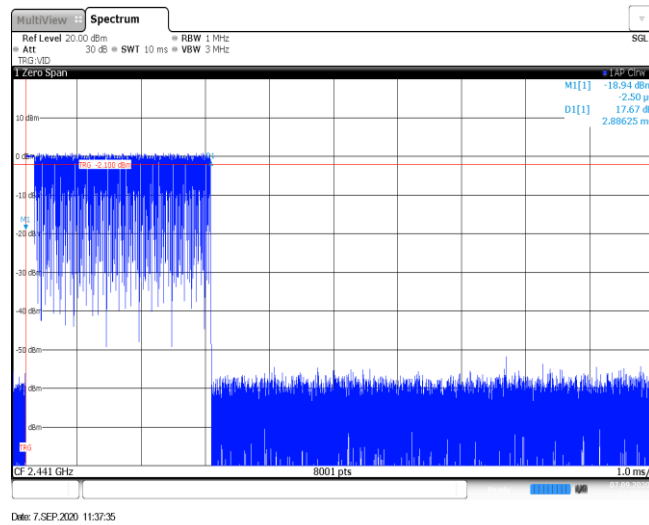


Modulation Type: 8DPSK	
3DH1 Burst width	
3DH1 Burst number	
3DH3 Burst width	

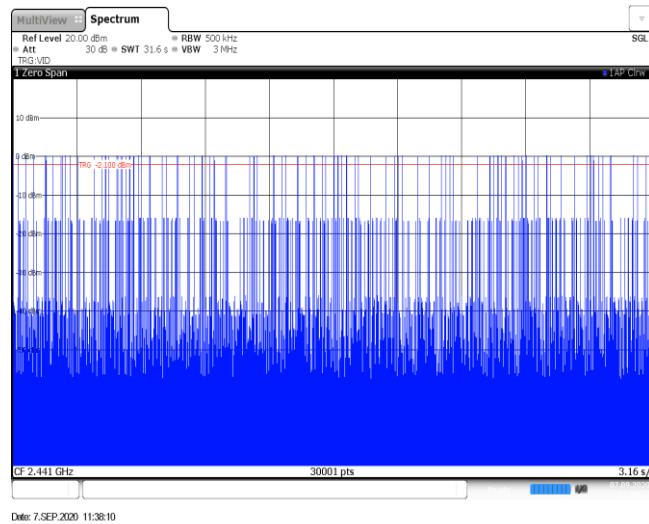
3DH3
Burst number



3DH5
Burst width



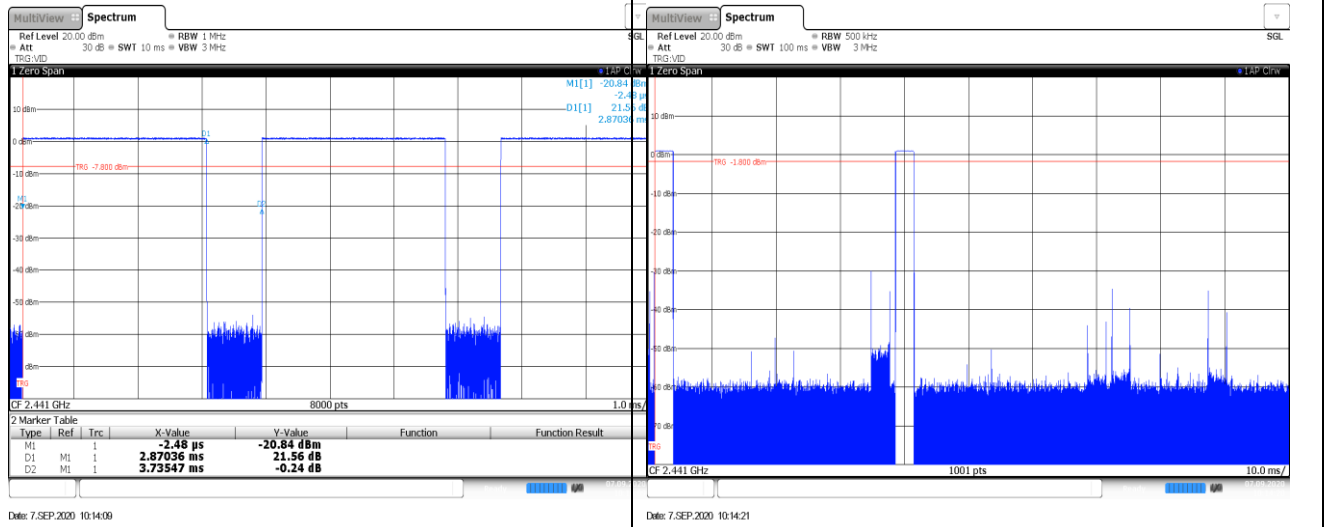
3DH5
Burst number



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	2.87	100	2.00	-24.82
$\pi/4$ DQPSK	2441	2.87	100	1.00	-30.84
8DPSK	2441	2.88	100	4.00	-18.77

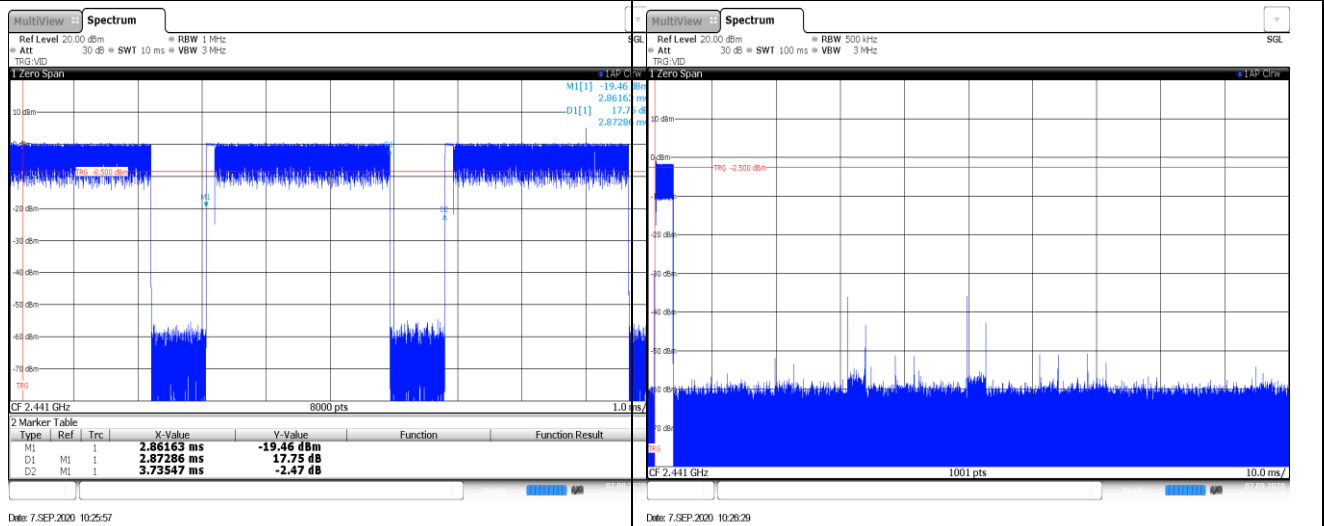
GFSK



Ton time for single burst

Burst Quantity

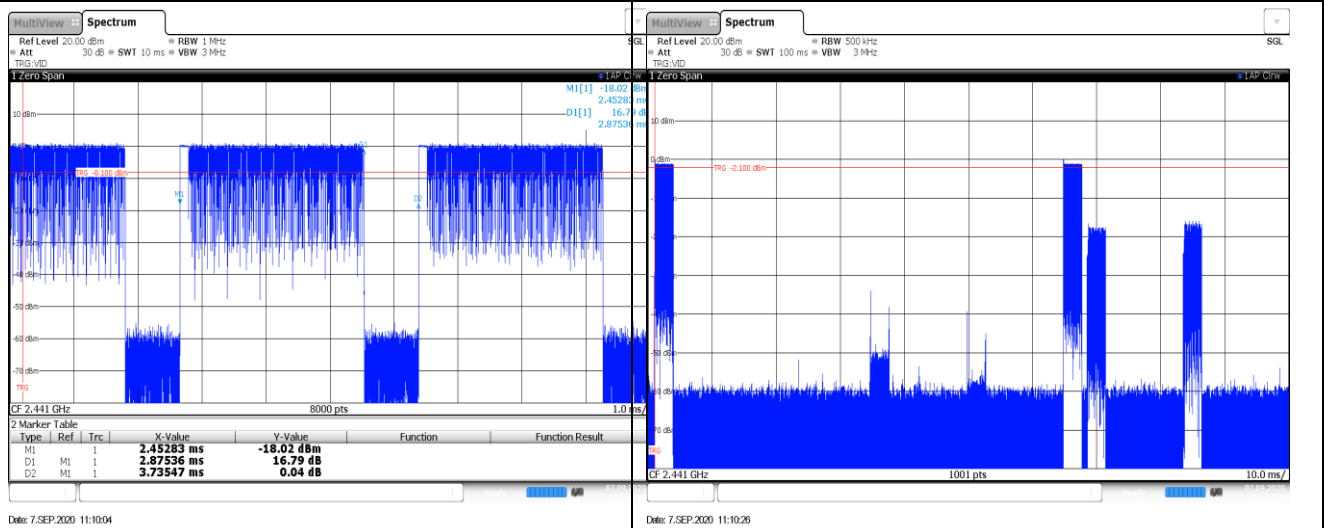
$\pi/4$ DQPSK



Ton time for single burst

Burst Quantity

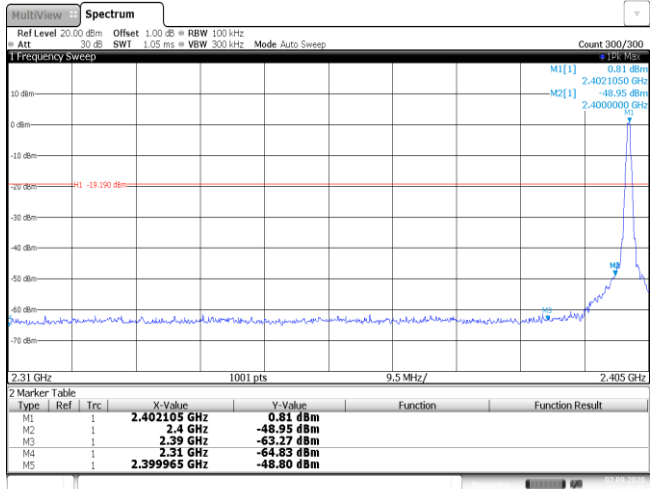
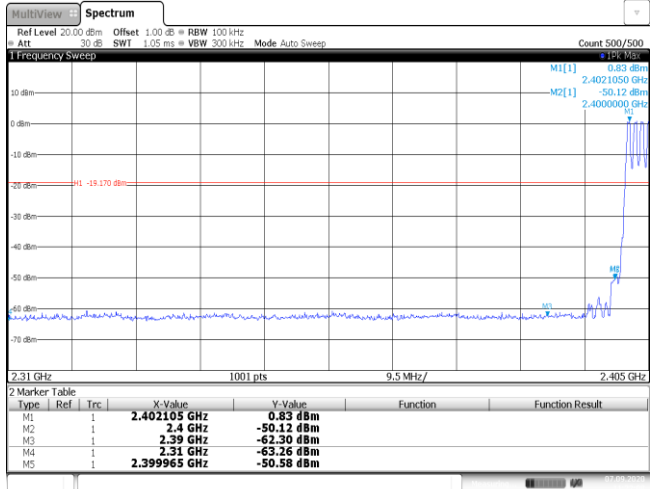
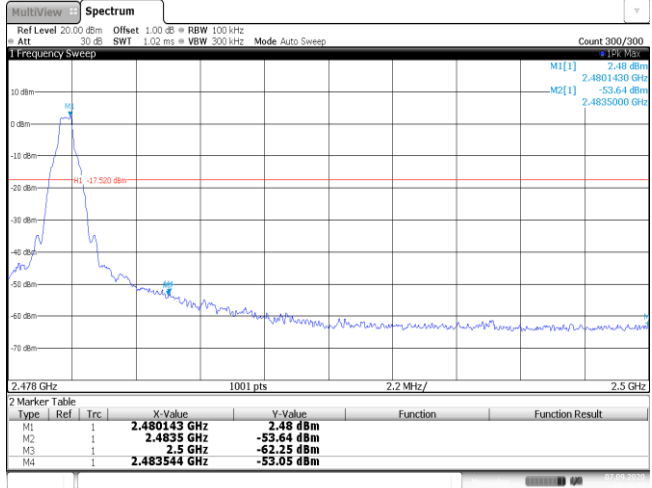
8DPSK



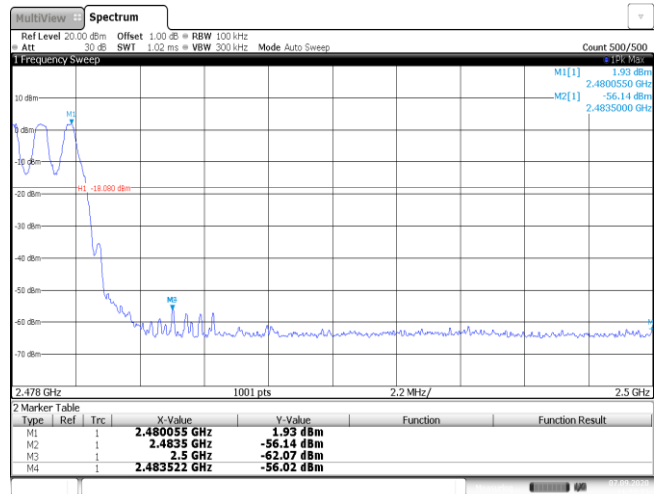
Ton time for single burst

Burst Quantity

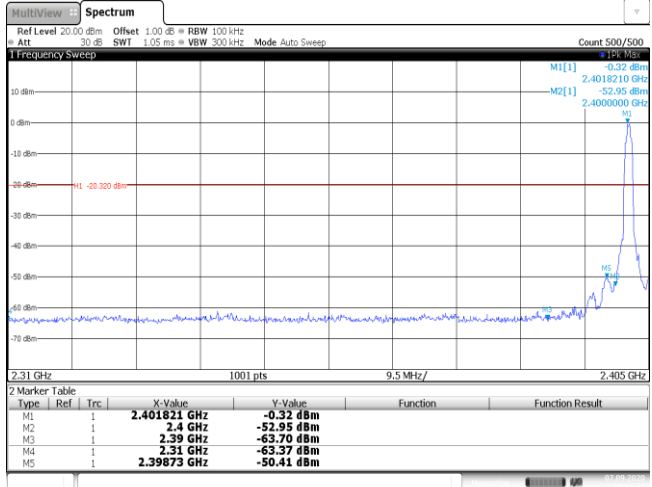
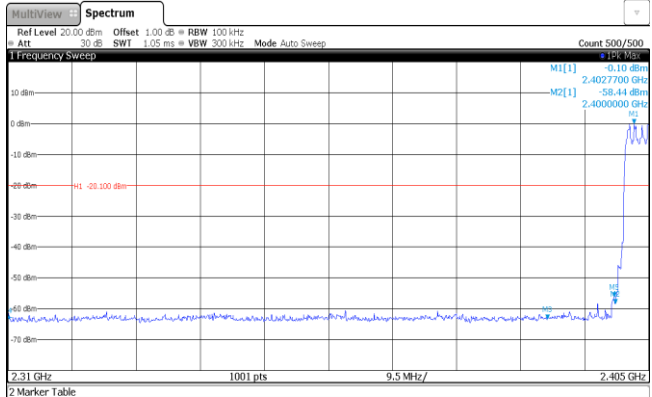
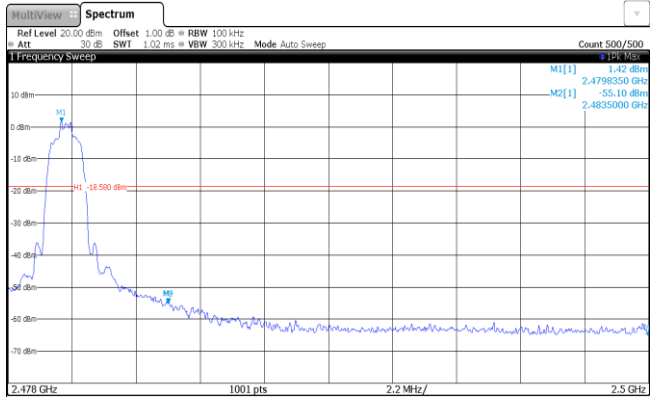
Appendix H: Band edge and Spurious Emissions (conducted)

Test Item:	Band edge	Modulation type:	GFSK																																										
<p>CH00 No hopping mode</p>	 <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>0.81 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-48.95 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-63.27 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-64.83 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399965 GHz</td> <td>-48.80 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 7.SEP.2020 10:10:50</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.402105 GHz	0.81 dBm			M2	1		2.4 GHz	-48.95 dBm			M3	1		2.39 GHz	-63.27 dBm			M4	1		2.31 GHz	-64.83 dBm			M5	1		2.399965 GHz	-48.80 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
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<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>2.402105 GHz</td> <td>0.83 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-50.12 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-62.30 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-63.26 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399965 GHz</td> <td>-50.58 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 7.SEP.2020 11:22:08</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.402105 GHz	0.83 dBm			M2	1		2.4 GHz	-50.12 dBm			M3	1		2.39 GHz	-62.30 dBm			M4	1		2.31 GHz	-63.26 dBm			M5	1		2.399965 GHz	-50.58 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
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M4	1		2.31 GHz	-63.26 dBm																																									
M5	1		2.399965 GHz	-50.58 dBm																																									
<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>2.480143 GHz</td> <td>2.48 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4833 GHz</td> <td>-53.64 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-62.25 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.483544 GHz</td> <td>-53.05 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 7.SEP.2020 10:16:32</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.480143 GHz	2.48 dBm			M2	1		2.4833 GHz	-53.64 dBm			M3	1		2.5 GHz	-62.25 dBm			M4	1		2.483544 GHz	-53.05 dBm									
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M4	1		2.483544 GHz	-53.05 dBm																																									

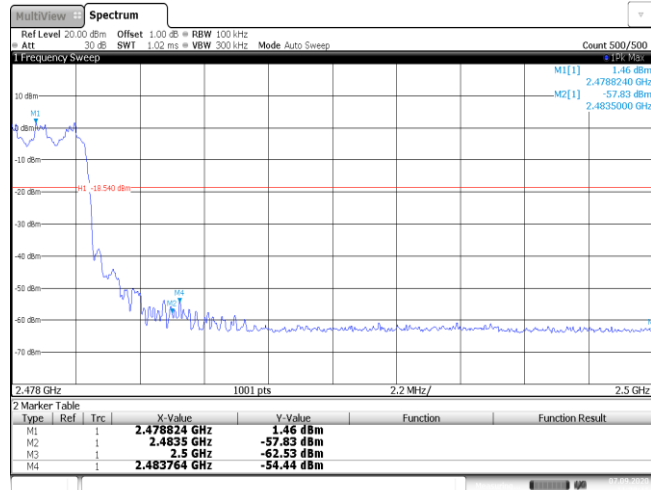
CH78
Hopping mode



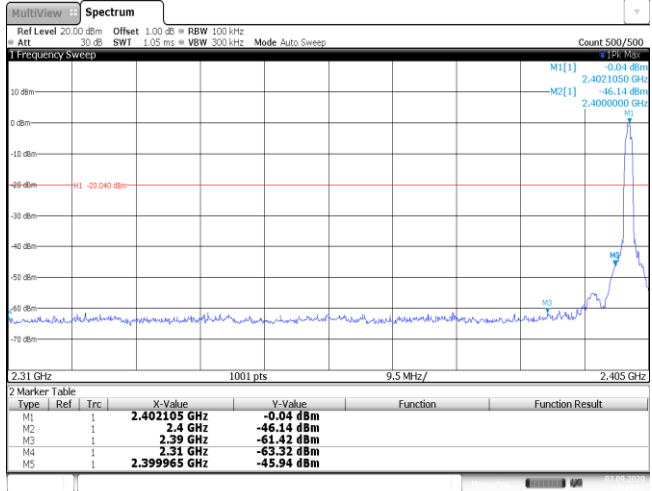
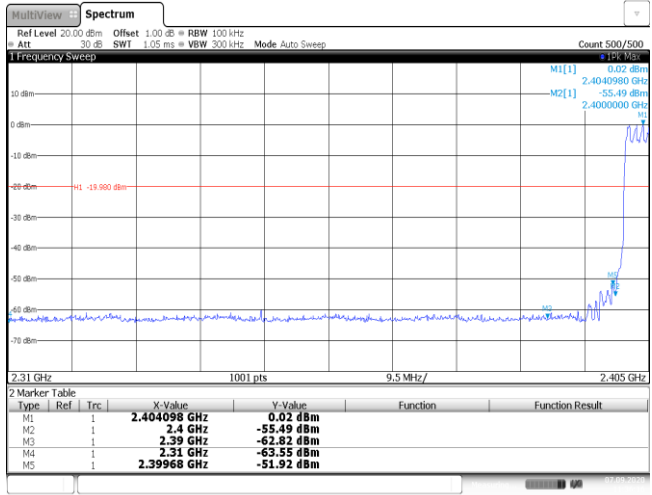
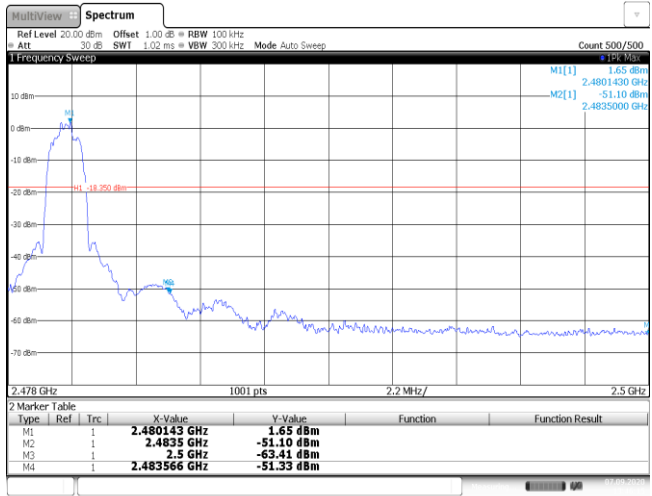
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Test Item:	Band edge	Modulation type:	$\pi/4$ DQPSK																																										
<p>CH00 No hopping mode</p>	 <p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.401821 GHz</td> <td>-0.32 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-52.95 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-63.70 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-63.37 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.39873 GHz</td> <td>-50.41 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 7.SEP.2020 10:21:40</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.401821 GHz	-0.32 dBm			M2	1		2.4 GHz	-52.95 dBm			M3	1		2.39 GHz	-63.70 dBm			M4	1		2.31 GHz	-63.37 dBm			M5	1		2.39873 GHz	-50.41 dBm		
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Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
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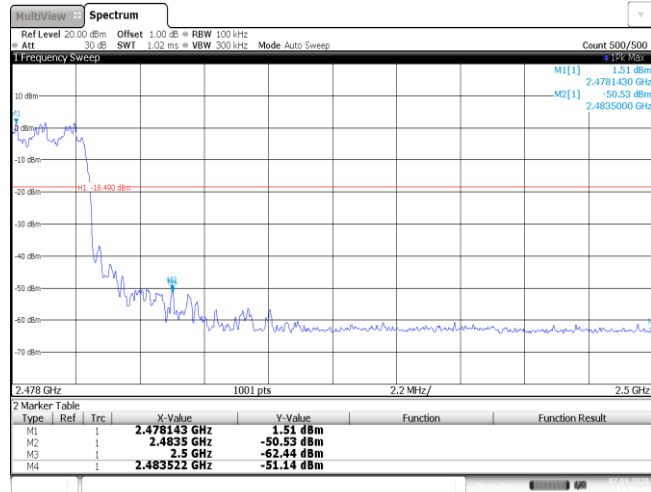
CH78
Hopping mode



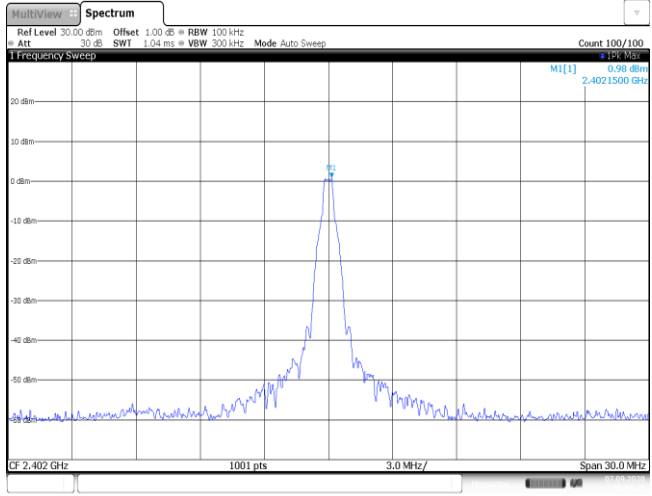
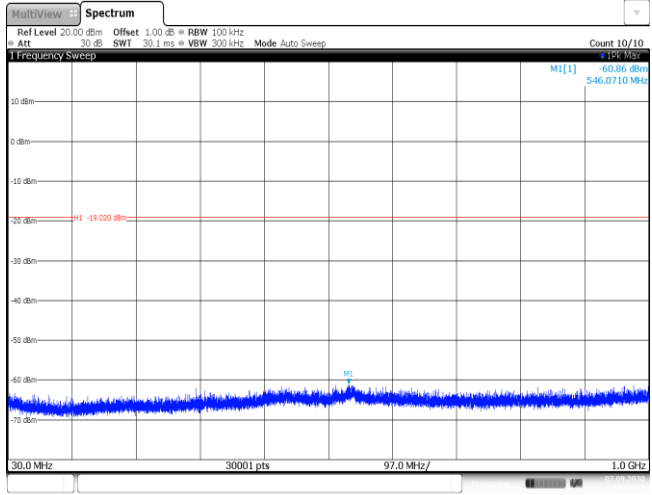
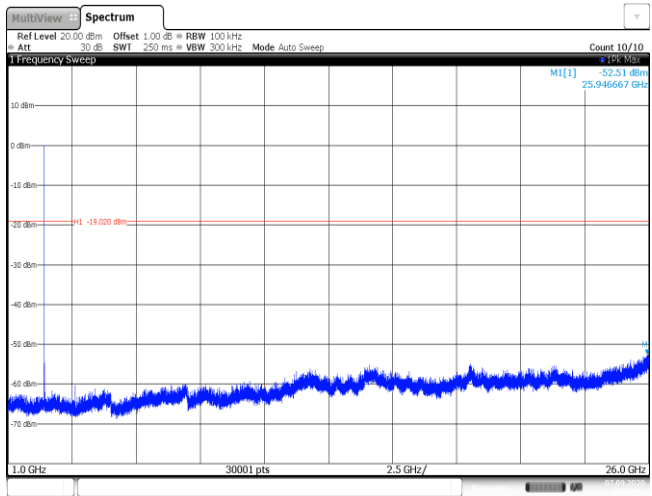
Date: 7.SEP.2020 11:30:46

Test Item:	Band edge	Modulation type:	8DPSK																																										
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<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>2.404098 GHz</td> <td>0.02 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-55.49 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-62.82 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-63.55 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.39968 GHz</td> <td>-51.92 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 7.SEP.2020 11:36:16</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.404098 GHz	0.02 dBm			M2	1		2.4 GHz	-55.49 dBm			M3	1		2.39 GHz	-62.82 dBm			M4	1		2.31 GHz	-63.55 dBm			M5	1		2.39968 GHz	-51.92 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>2.480143 GHz</td> <td>1.65 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4833 GHz</td> <td>-51.10 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-63.41 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.483566 GHz</td> <td>-51.33 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 7.SEP.2020 13:46:15</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.480143 GHz	1.65 dBm			M2	1		2.4833 GHz	-51.10 dBm			M3	1		2.5 GHz	-63.41 dBm			M4	1		2.483566 GHz	-51.33 dBm									
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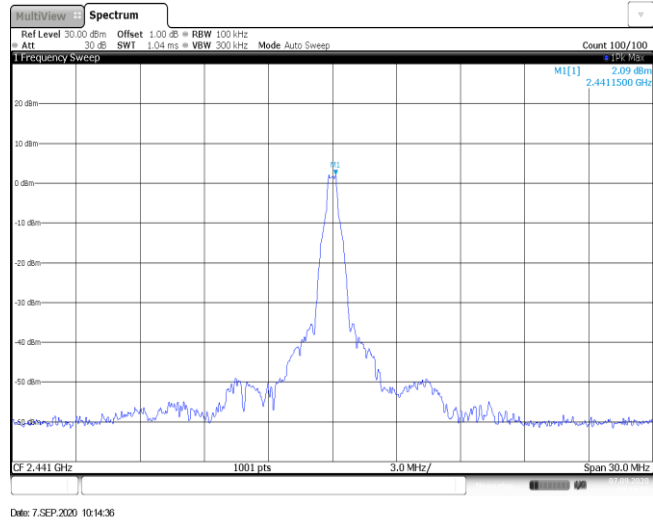
CH78
Hoppig mode



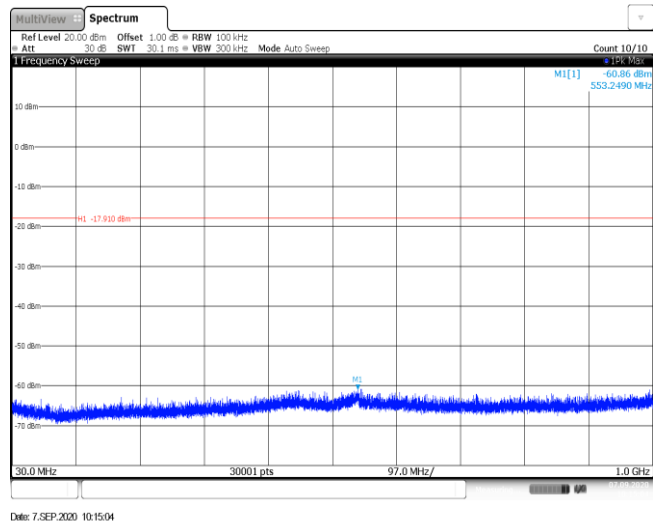
Date: 7.SEP.2020 11:37:24

Test Item:	Spurious Emission	Modulation type:	GFSK
<p>CH00 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] 0.98 dBm 2.4021500 GHz CF 2.402 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 7.SEP.2020 10:09:21</p>		
<p>CH00 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] -60.86 dBm 546.0710 MHz MI -19.000 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 7.SEP.2020 10:09:38</p>		
<p>CH00 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] -52.51 dBm 25.946667 GHz MI -19.000 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 7.SEP.2020 10:09:54</p>		

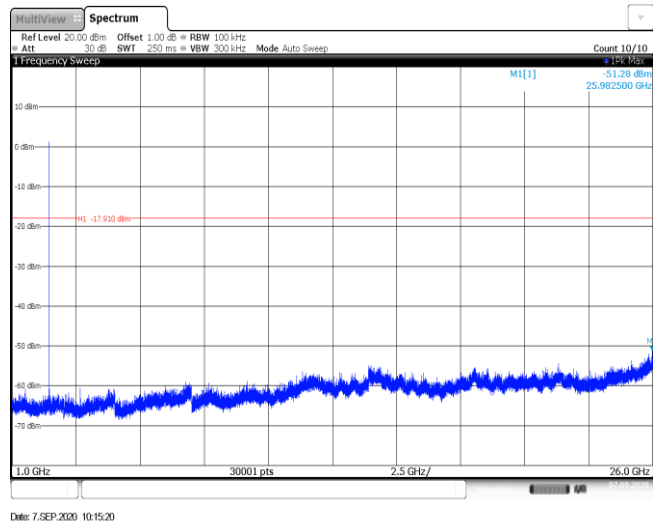
CH39
Reference level

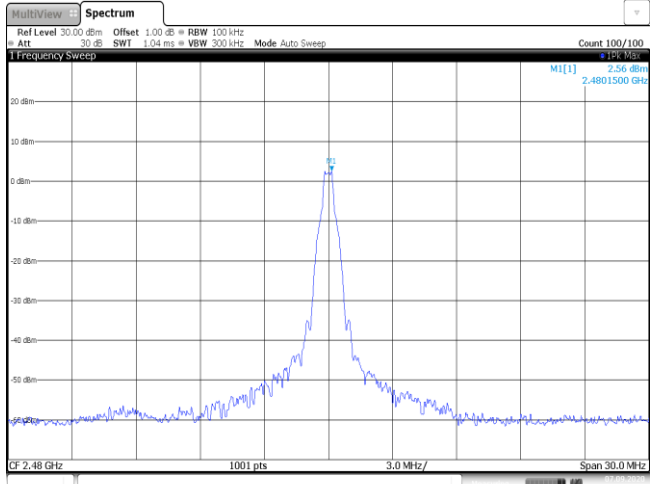
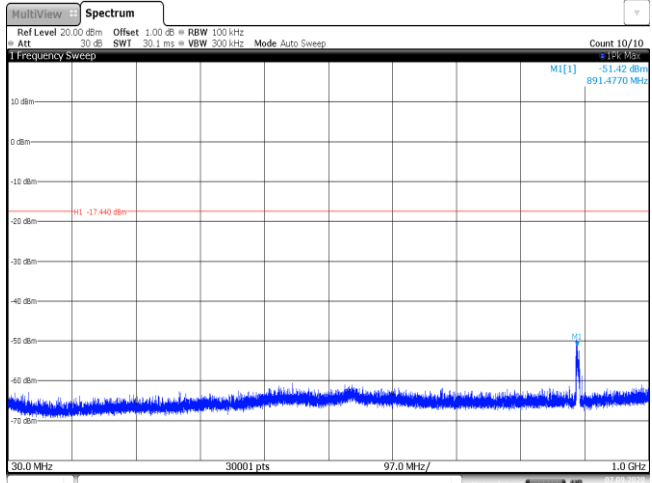
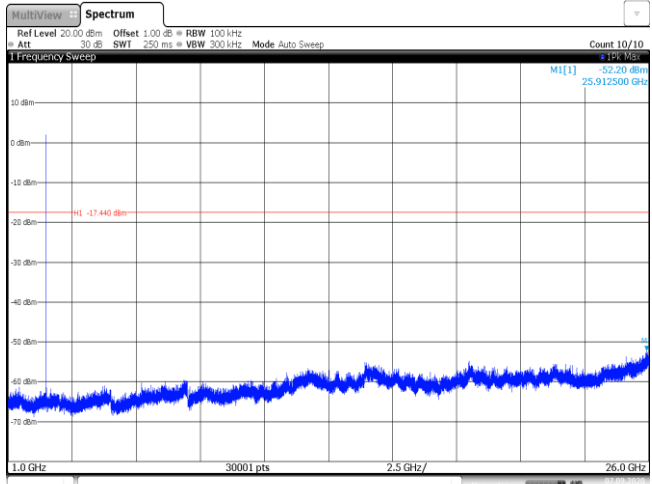


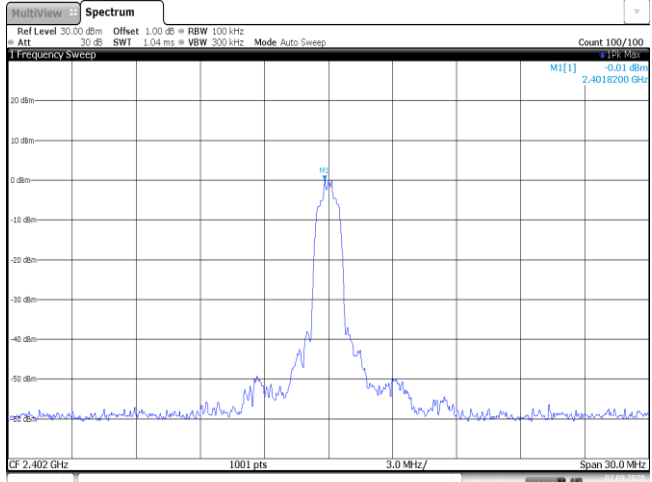
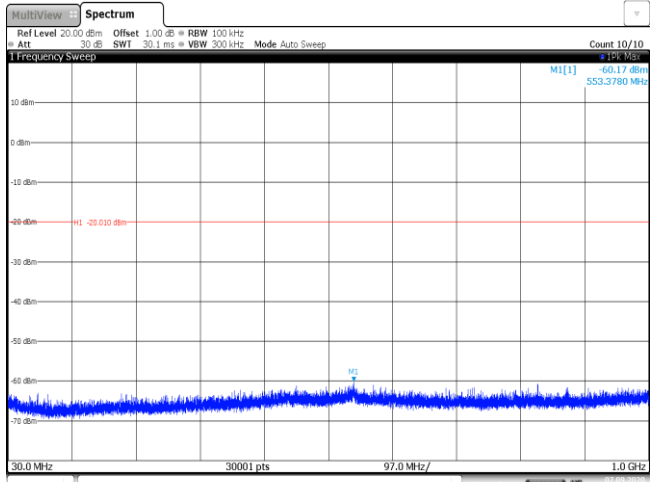
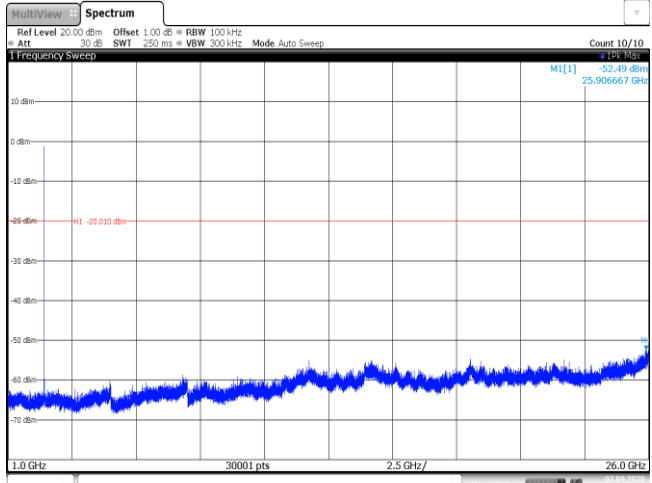
CH39
30MHz~1000MHz

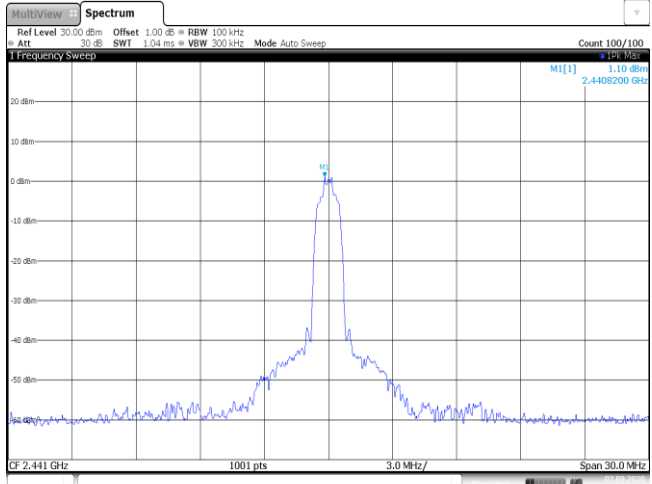
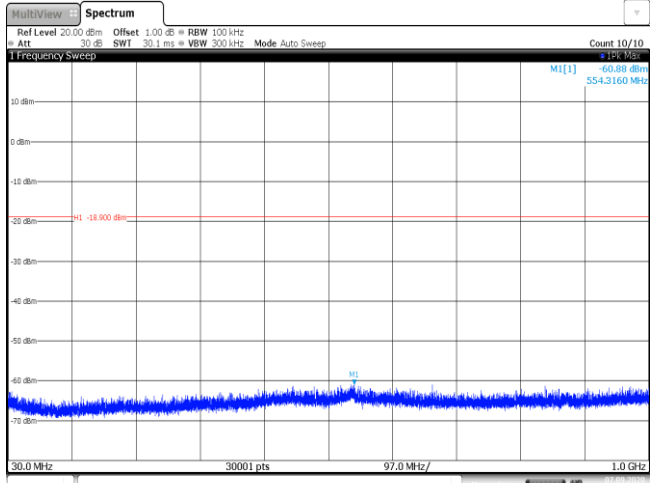
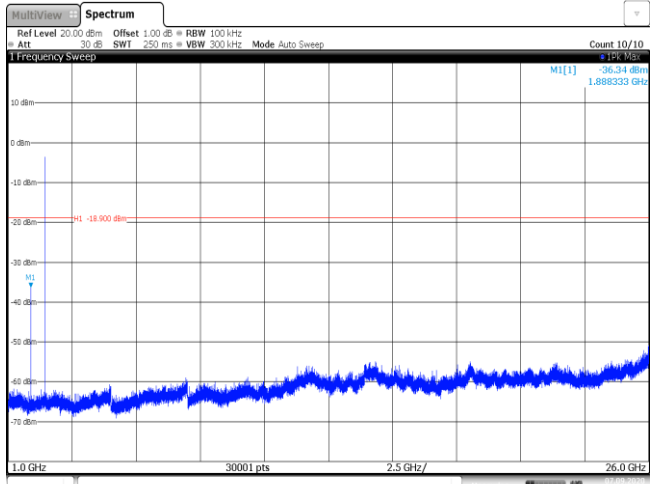


CH39
1GHz~26GHz

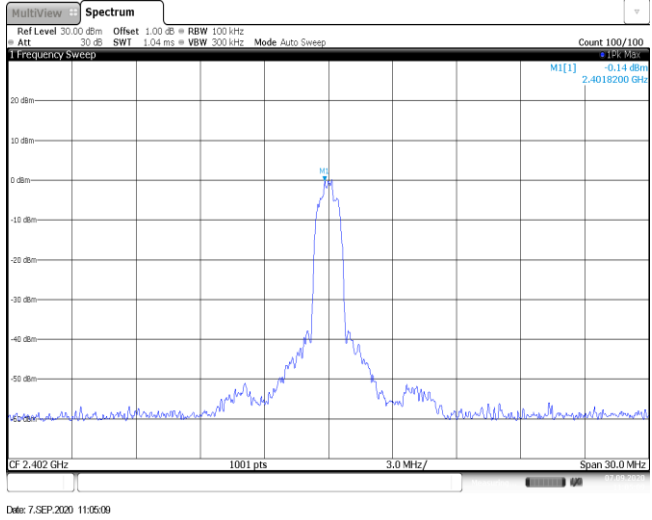
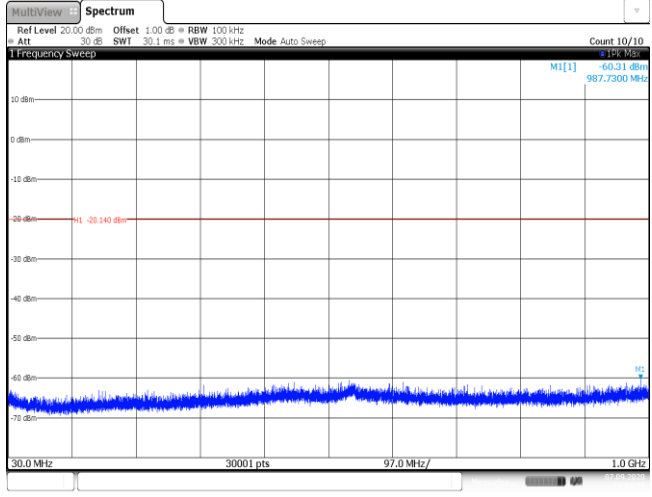
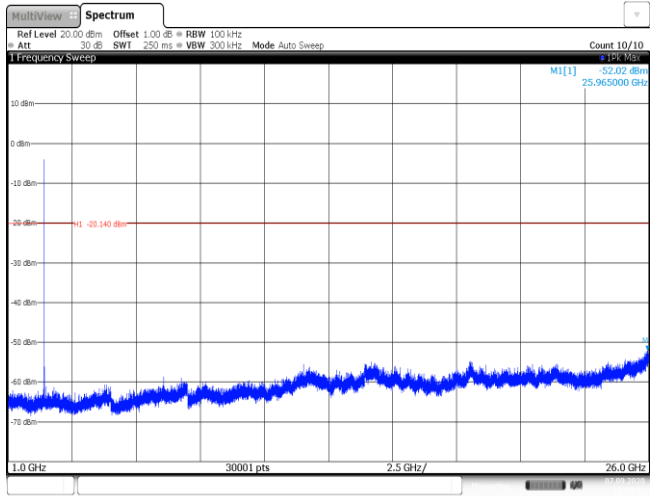


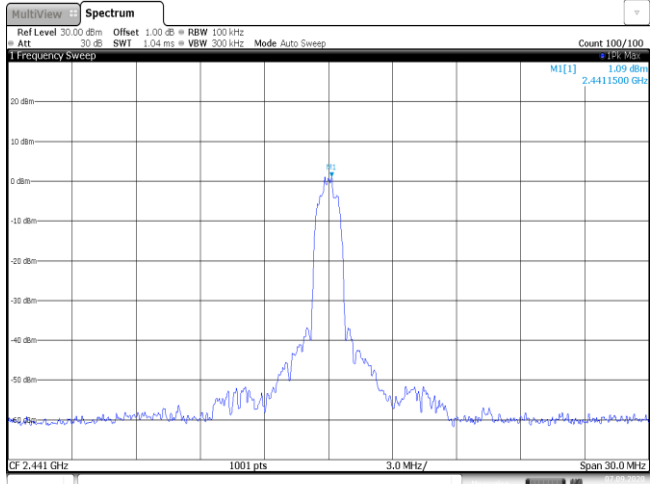
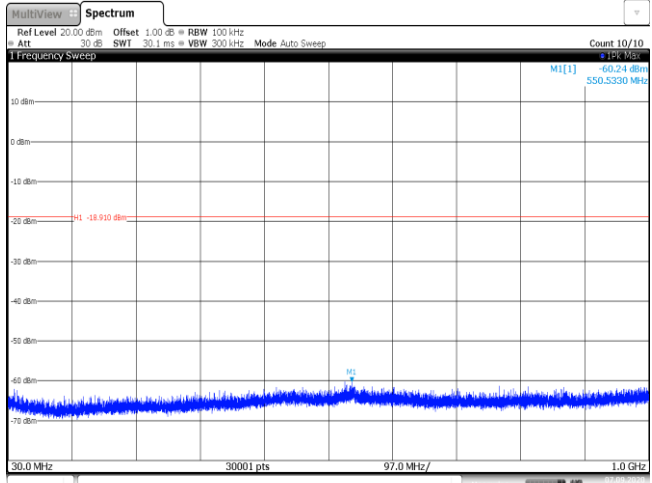
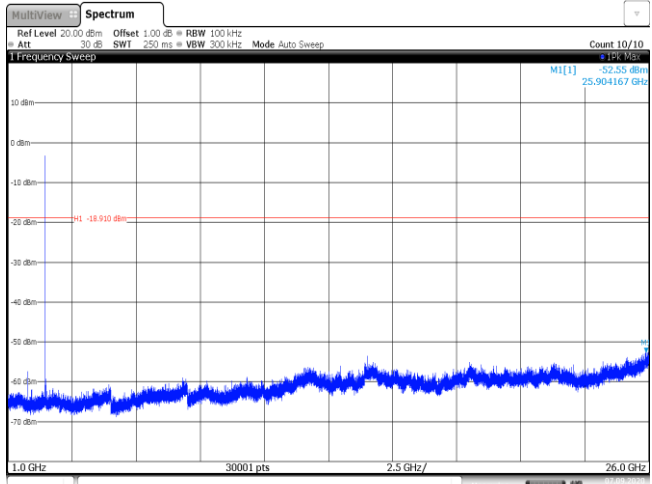
<p>CH78 Reference level</p>	 <p>The plot shows a spectrum with a prominent peak at 2.48 GHz. The y-axis represents power in dBm, ranging from -60 to 20. The x-axis represents frequency in GHz, with a span of 30.0 MHz. A measurement point M1[1] is marked at 2.4801500 GHz with a value of 2.56 dBm. The plot title is 'Spectrum' and it includes parameters like Ref Level 30.00 dBm, Offset 1.00 dB, RBW 100 kHz, and Date: 7.SEP.2020 10:16:30.</p>
<p>CH78 30MHz~1000MHz</p>	 <p>The plot shows a spectrum from 30.0 MHz to 1.0 GHz. The y-axis ranges from -70 to 10 dBm. A red horizontal line indicates a noise floor at -17.440 dBm. A peak is visible at 891.4770 MHz with a value of -51.42 dBm. The plot title is 'Spectrum' and it includes parameters like Ref Level 20.00 dBm, Offset 1.00 dB, RBW 100 kHz, and Date: 7.SEP.2020 10:16:55.</p>
<p>CH78 1GHz~26GHz</p>	 <p>The plot shows a spectrum from 1.0 GHz to 26.0 GHz. The y-axis ranges from -70 to 10 dBm. A red horizontal line indicates a noise floor at -17.440 dBm. A peak is visible at 25.912500 GHz with a value of -52.20 dBm. The plot title is 'Spectrum' and it includes parameters like Ref Level 20.00 dBm, Offset 1.00 dB, RBW 100 kHz, and Date: 7.SEP.2020 10:17:11.</p>

Test Item:	Spurious Emission	Modulation type:	$\pi/4$ DQPSK
<p>CH00 Reference level</p>	 <p>Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SW1 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 MI[1] -20.01 dBm 2.4016200 GHz Date: 7.SEP.2020 10:21:47</p>		
<p>CH00 30MHz~1000MHz</p>	 <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SW1 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 MI[1] -60.17 dBm 553.3780 MHz MI[1] -20.01 dBm Date: 7.SEP.2020 10:22:03</p>		
<p>CH00 1GHz~26GHz</p>	 <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SW1 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 MI[1] -52.49 dBm 25.906667 GHz MI[1] -20.01 dBm Date: 7.SEP.2020 10:22:19</p>		

<p>CH39 Reference level</p>	 <p>The spectrum plot shows a single sharp peak at 2.441 GHz. The y-axis represents power in dBm, ranging from -90 to 20. The x-axis represents frequency in MHz, with a span of 30.0 MHz. The peak is labeled M1[1] with a value of 1.10 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 7.SEP.2020 10:31:35.</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 red horizontal line is drawn at -18.00 dBm. The noise floor is around -60.88 dBm. 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 7.SEP.2020 10:31:51.</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 red horizontal line is drawn at -18.00 dBm. The noise floor is around -60.34 dBm. 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 7.SEP.2020 10:32:07.</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 VSW 300 kHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1[1] 1.78 dBm 2.4796200 GHz CF 2.48 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 7.SEP.2020 13:48:31</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 VSW 300 kHz Mode Auto Sweep Count 10/10 1 Frequency Sweep M1[1] -60.13 dBm 909.9060 MHz M1 -18.220 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 7.SEP.2020 13:48:47</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 VSW 300 kHz Mode Auto Sweep Count 10/10 1 Frequency Sweep M1[1] -52.48 dBm 25.940000 GHz M1 -18.220 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 7.SEP.2020 13:49:04</p>

Test Item:	Spurious Emission	Modulation type:	8DPSK
<p>CH00 Reference level</p>	 <p>Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SW1 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 M1[1] -0.14 dBm 2.4016200 GHz CF 2.402 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 7.SEP.2020 11:05:09</p>		
<p>CH00 30MHz~1000MHz</p>	 <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SW1 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -60.31 dBm 987.7300 MHz 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 7.SEP.2020 11:05:25</p>		
<p>CH00 1GHz~26GHz</p>	 <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SW1 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -52.02 dBm 25.965000 GHz 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 7.SEP.2020 11:05:42</p>		

<p>CH39 Reference level</p>	 <p>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 MI[1] 1.09 dBm 2.4411500 GHz CF 2.441 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 7.SEP.2020 11:11:00</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 MI[1] -60.24 dBm 550.5330 MHz H1 -18.910 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 7.SEP.2020 11:11:16</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 MI[1] -52.55 dBm 25.904167 GHz H1 -18.910 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 7.SEP.2020 11:11:32</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 VSW 300 kHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1[1] 1.91 dBm 2.4801500 GHz CF 2.48 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 7.SEP.2020 13:52:30</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 VSW 300 kHz Mode Auto Sweep Count 10/10 1 Frequency Sweep M1[1] -59.53 dBm 556.6120 MHz M1 -18.000 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 7.SEP.2020 13:52:55</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 VSW 300 kHz Mode Auto Sweep Count 10/10 1 Frequency Sweep M1[1] -52.27 dBm 25.994167 GHz M1 -18.000 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 7.SEP.2020 13:53:11</p>

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