

APPENDIX REPORT

Project No.	SHT2401001704W	Radio Specification	Bluetooth EDR
Test sample No.	YPHT24010017003_05	Model No.	Power K Pro
Start test date	2024/01/04	Finish date	2024/01/05
Temperature	24.7℃	Humidity	51%
Test Engineer	Xiangyu Wei	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

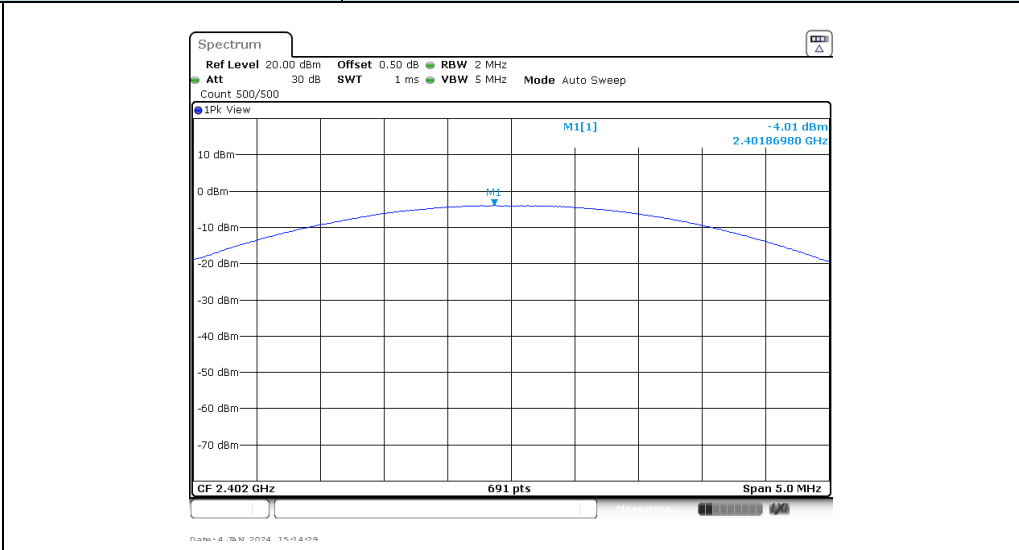
Modulation type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
GFSK	00	-5.77	-5.81	≤ 30.00	Pass
	39	-4.95	-4.97		
	78	-5.83	-5.85		
$\pi/4$ DQPSK	00	-4.01	-4.02	≤ 21.00	Pass
	39	-3.27	-3.30		
	78	-4.13	-4.17		
8DPSK	00	-3.83	-3.85	≤ 21.00	Pass
	39	-3.08	-3.11		
	78	-4.01	-4.04		

Modulation Type: GFSK	
CH00	Spectrum Ref Level 20.00 dBm Att 30 dB Count 300/300 Offset 0.50 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep 1Pk View M1[1] -5.77 dBm 2.40183360 GHz M1 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.402 GHz 691 pts Span 5.0 MHz File: 4_35_N_2024_1447227
CH39	Spectrum Ref Level 20.00 dBm Att 30 dB Count 300/300 Offset 0.50 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep 1Pk View M1[1] -4.95 dBm 2.44084080 GHz M1 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.441 GHz 691 pts Span 5.0 MHz File: 4_35_N_2024_1447228
CH78	Spectrum Ref Level 20.00 dBm Att 30 dB Count 300/300 Offset 0.50 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep 1Pk View M1[1] -5.83 dBm 2.47985530 GHz M1 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.48 GHz 691 pts Span 5.0 MHz File: 4_35_N_2024_154246

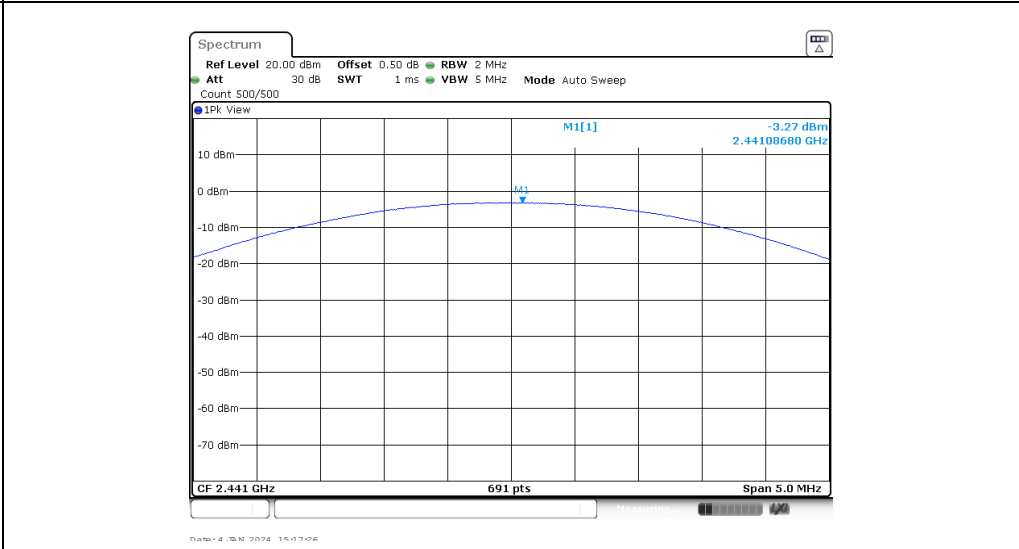
Modulation Type:

π /4DQPSK

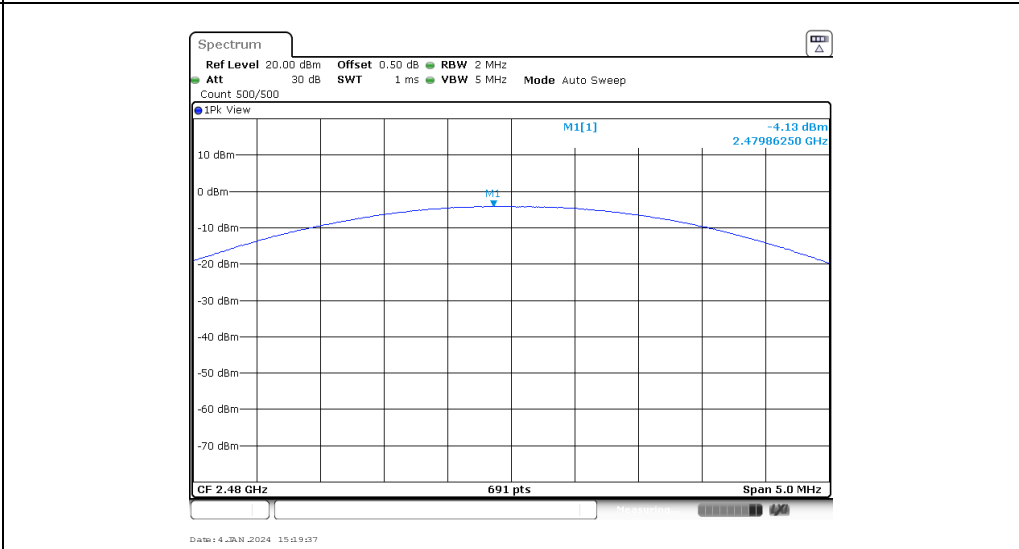
CH00



CH39



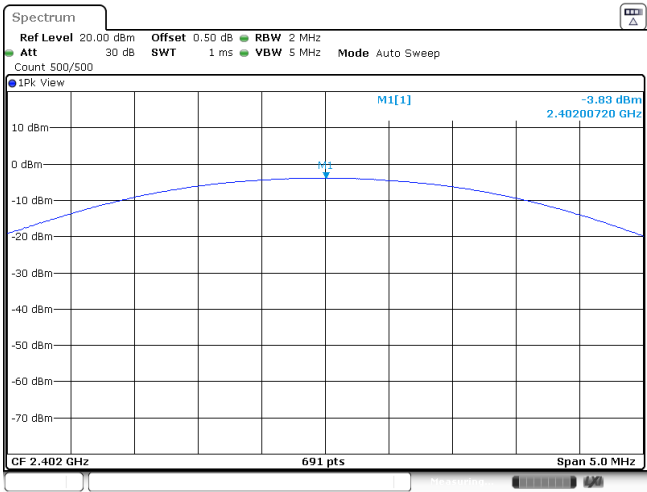
CH78



Modulation Type:

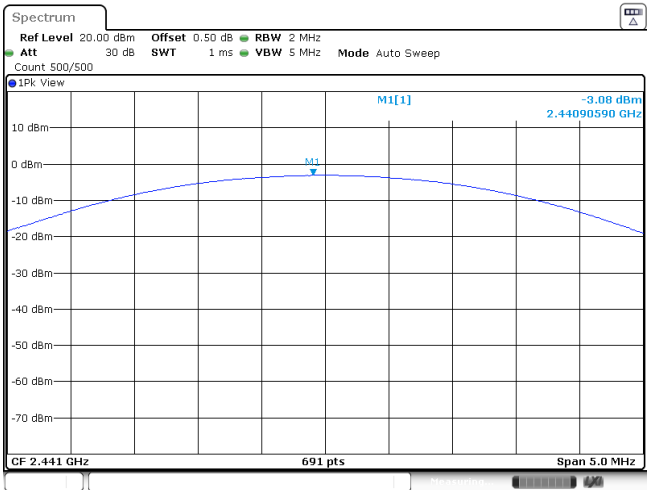
8DPSK

CH00



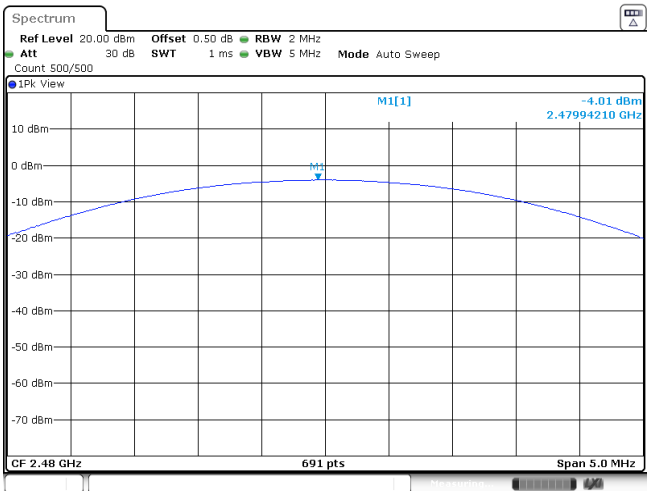
Date: 4.25.2024 15:01:19

CH39



Date: 4.25.2024 15:04:08

CH78



Date: 4.25.2024 15:06:24

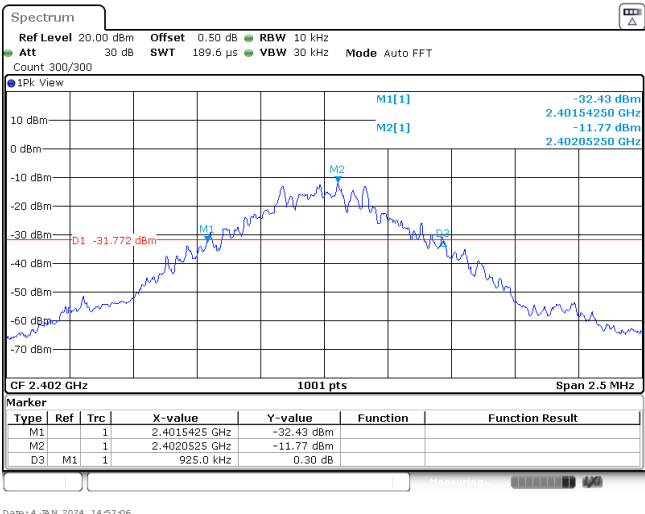
Appendix B : 20 dB Bandwidth

Modulation type	Channel	20 dB Bandwidth (kHz)	Limit (kHz)	Result
GFSK	00	925.00	-	Pass
	39	925.00		
	78	925.00		
$\pi/4$ DQPSK	00	1293.00	-	Pass
	39	1293.00		
	78	1293.00		
8DPSK	00	1300.00	-	Pass
	39	1298.00		
	78	1298.00		

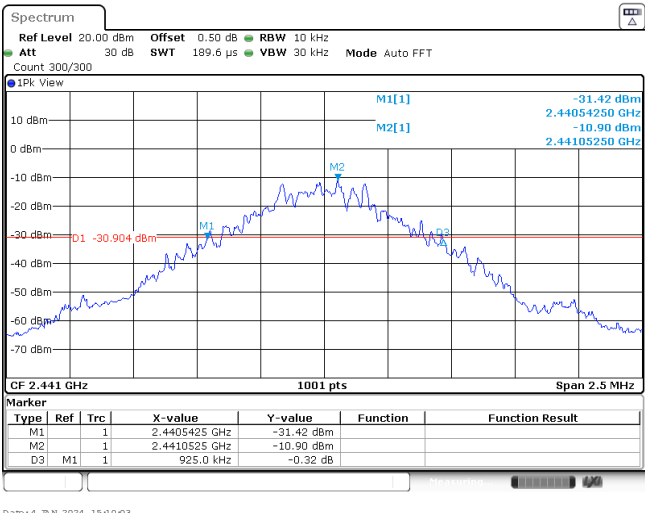
Modulation Type:

GFSK

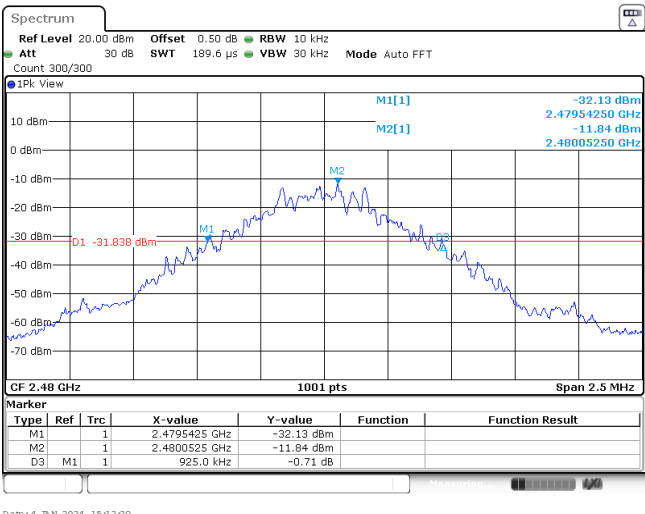
CH00



CH39



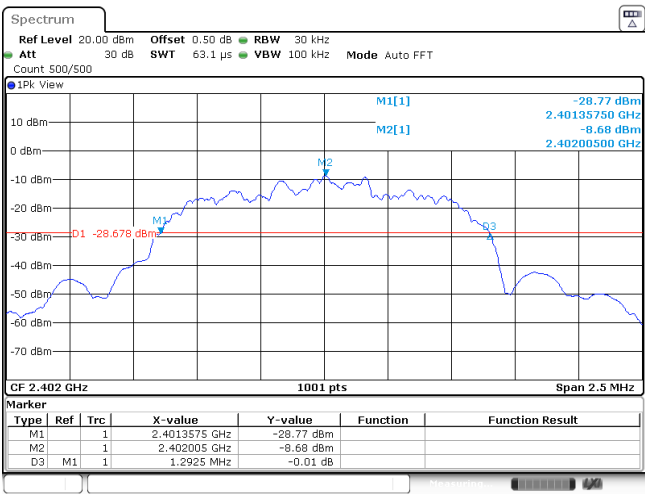
CH78



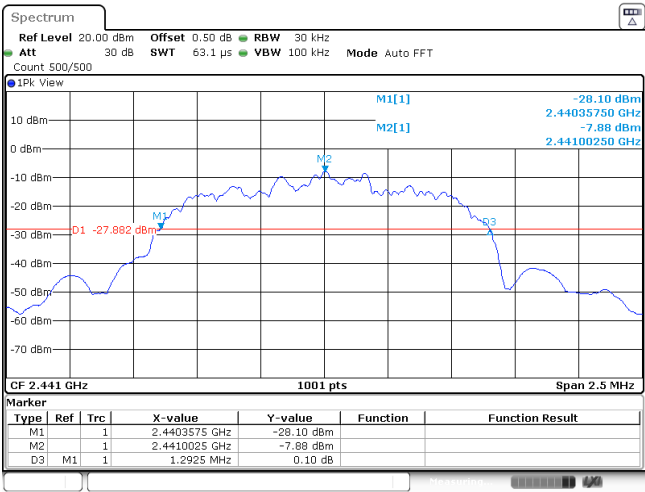
Modulation Type:

π /4DQPSK

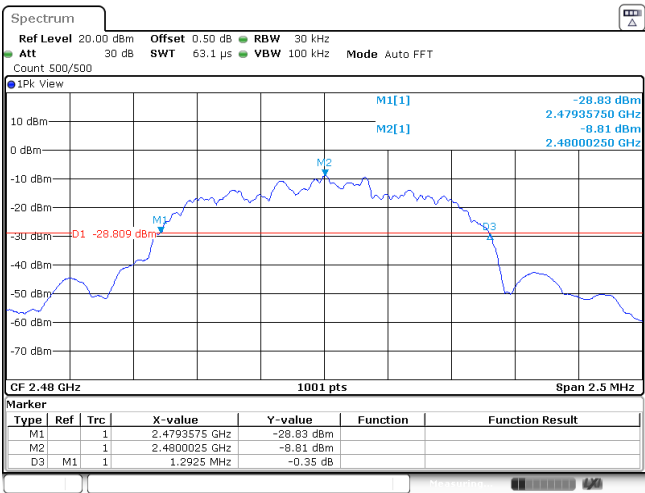
CH00



CH39



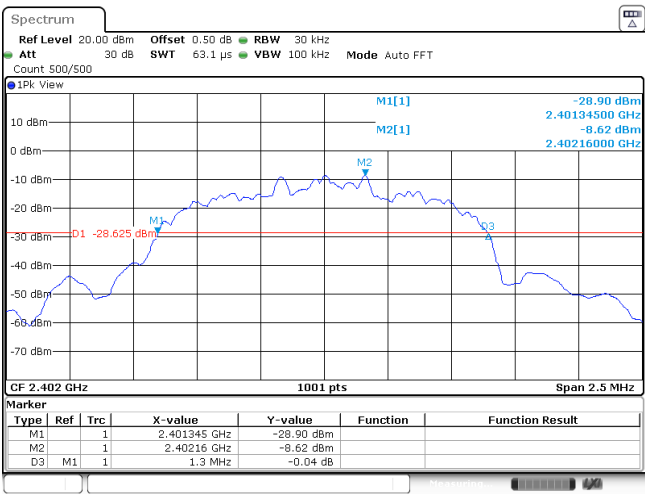
CH78



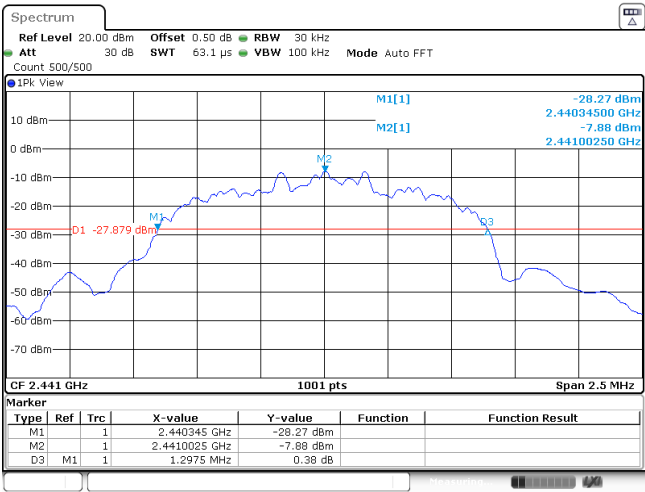
Modulation Type:

8DPSK

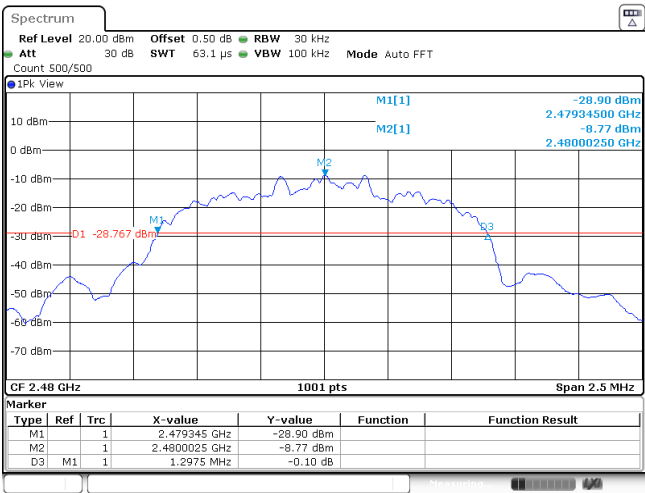
CH00



CH39

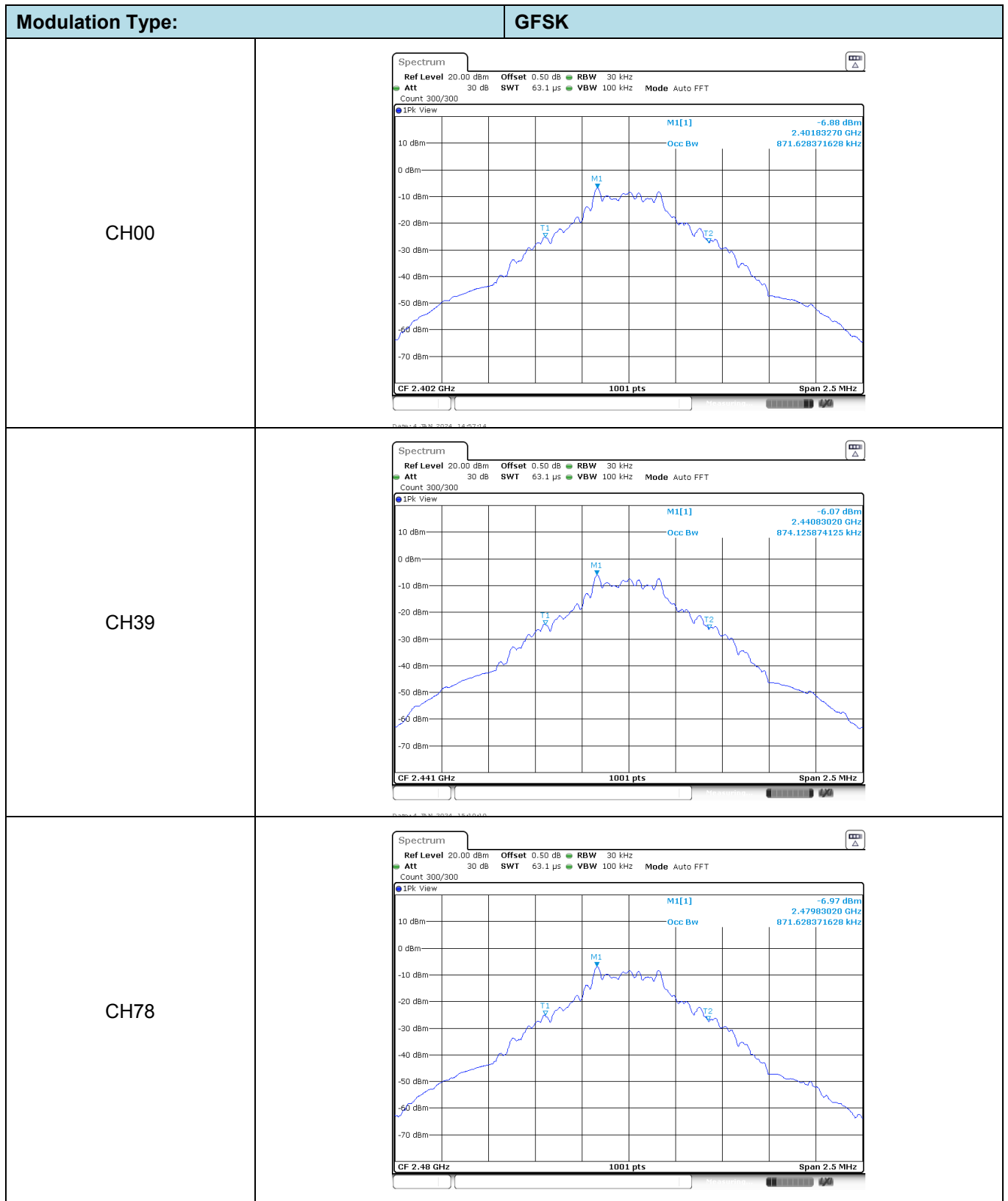


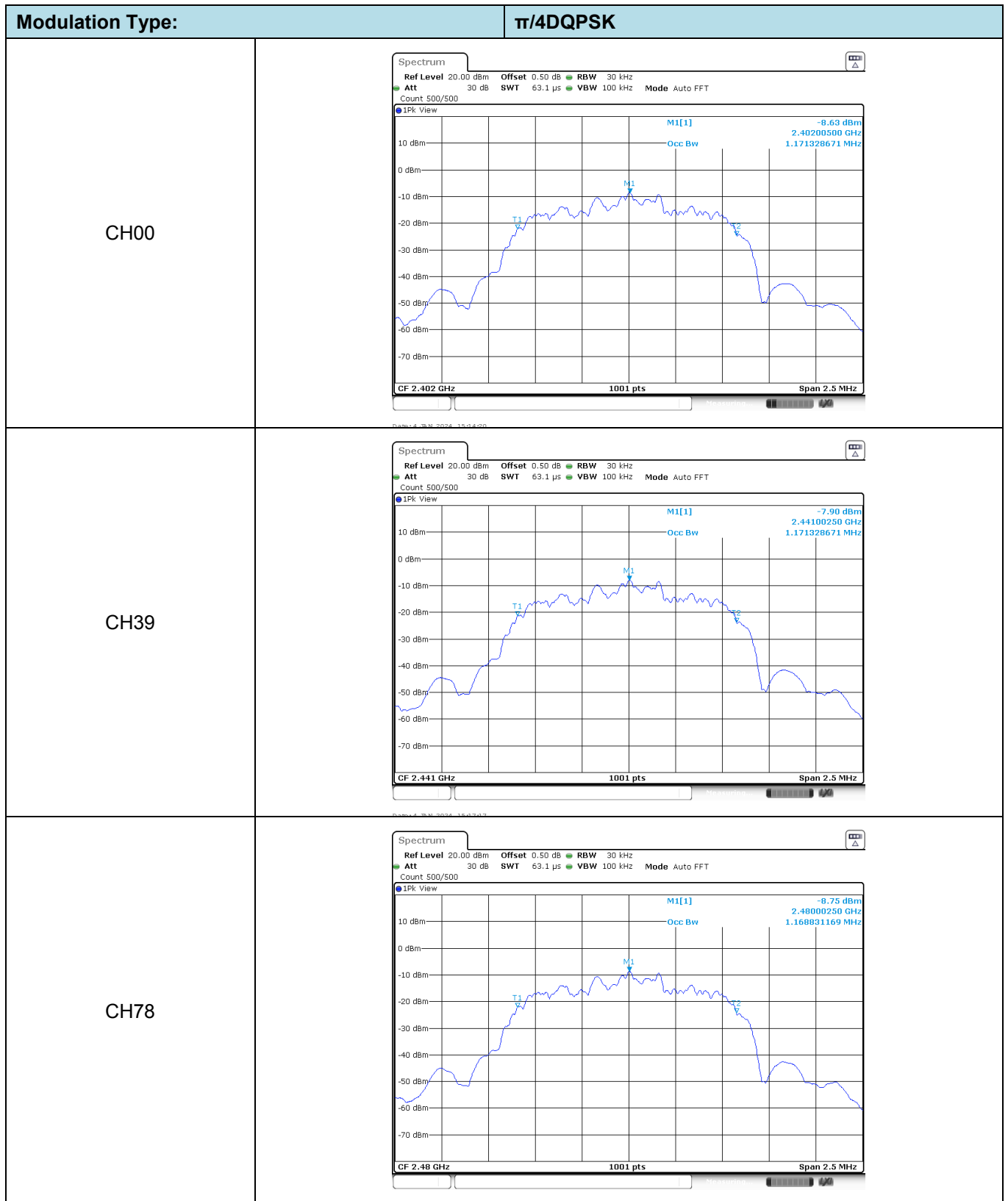
CH78

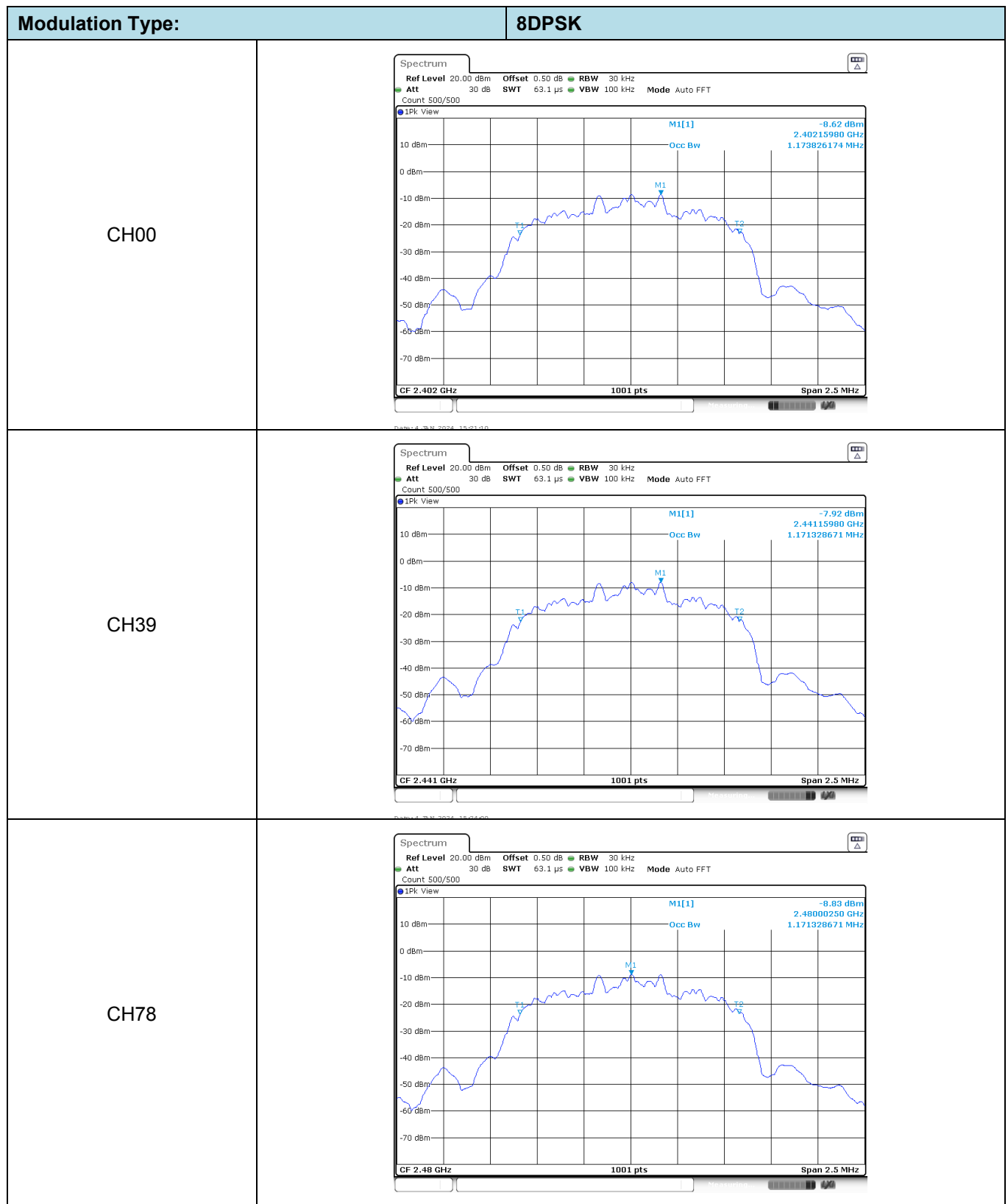


Appendix C: 99% Occupied Bandwidth

Modulation type	Channel	99% Occupied Bandwidth (MHz)	Limit (MHz)	Result
GFSK	00	0.87	-	Pass
	39	0.87		
	78	0.87		
$\pi/4$ DQPSK	00	1.17	-	Pass
	39	1.17		
	78	1.17		
8DPSK	00	1.17	-	Pass
	39	1.17		
	78	1.17		







Appendix D: Carrier Frequencies Separation

Modulation type	Channel	Carrier Frequencies Separation (MHz)	Limit (kHz) *	Result
GFSK	39	1.00	≥925	Pass
π/4DQPSK	39	1.00	≥862	Pass
8DPSK	39	1.00	≥867	Pass

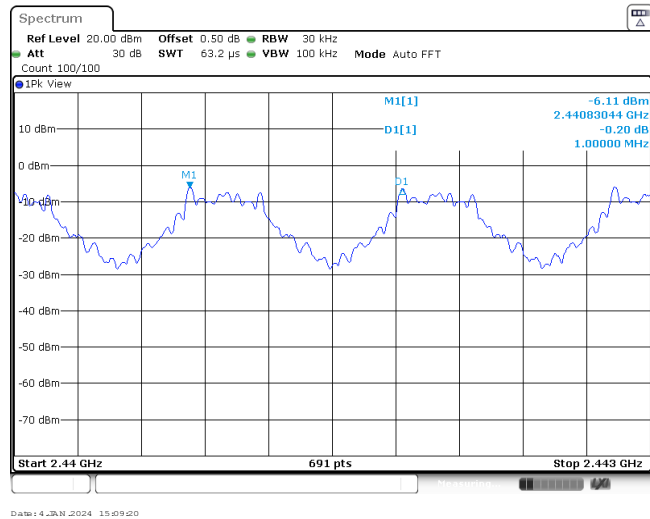
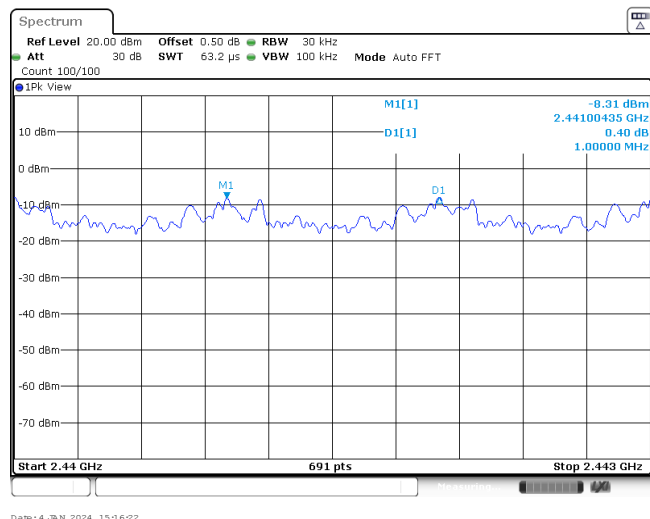
Note:

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

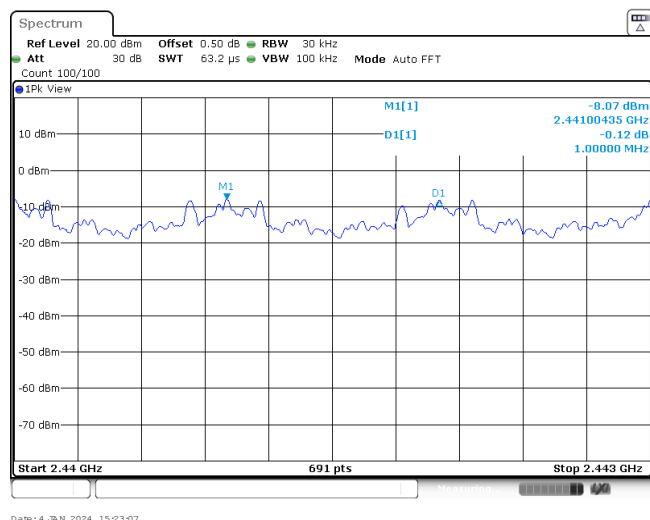
π/4DQPSK limit = 2/3 * The maximum 20 dB Bandwidth for π/4DQPSK modulation on the appendix B.

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

GFSK

 $\pi/4$ DQPSK

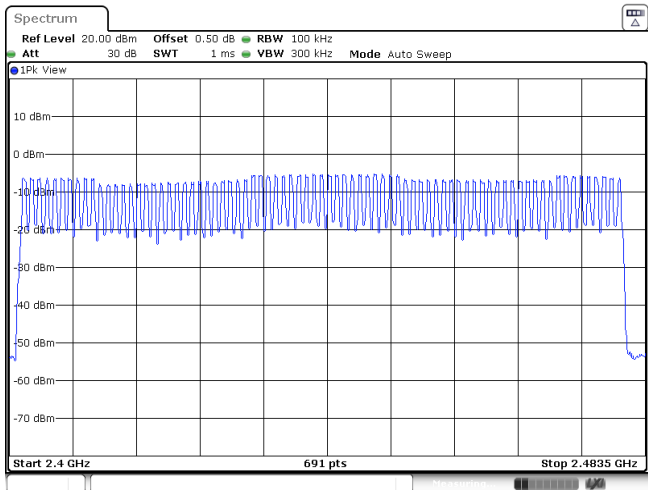
8DPSK



Appendix E: Hopping Channel Number

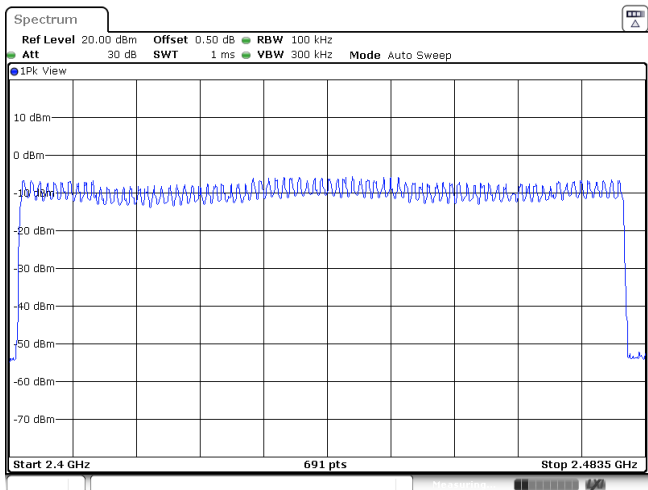
Modulation type	Channel number	Limit	Result
GFSK	79	≥15.00	Pass
π/4DQPSK	79		
8DPSK	79		

GFSK



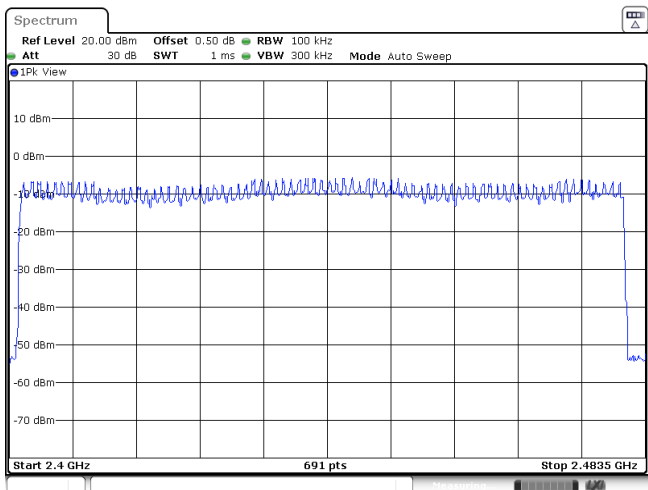
Date: 4 JAN 2024 15:28:21

$\pi/4$ DQPSK



Date: 4 JAN 2024 15:29:42

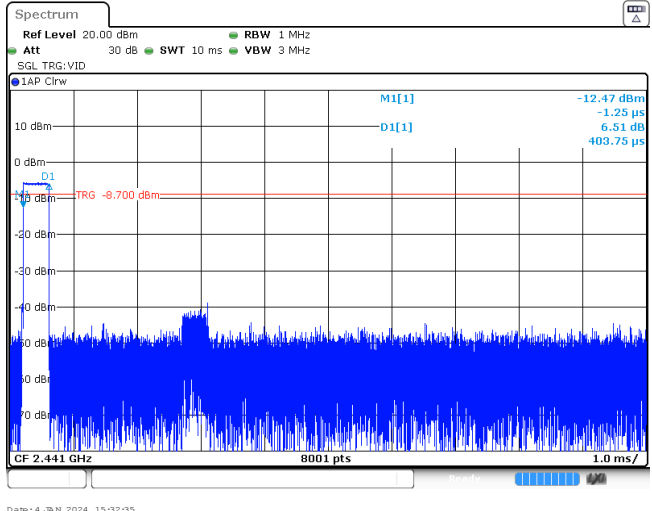
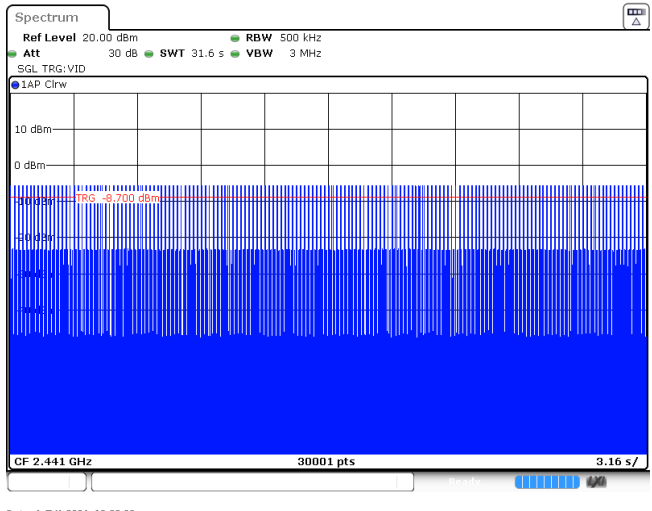
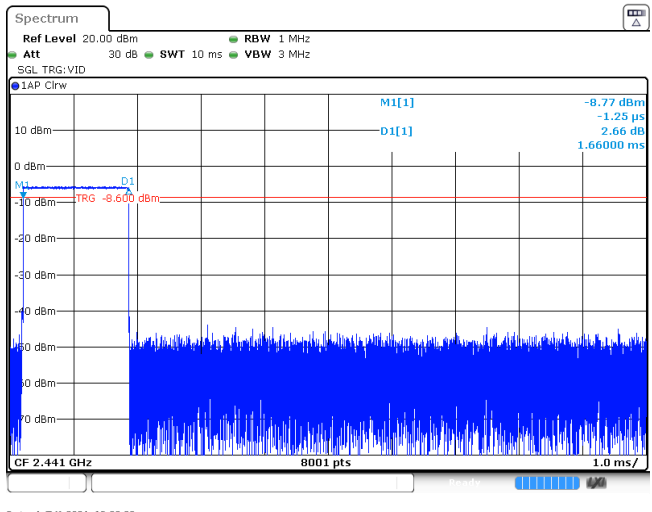
8DPSK

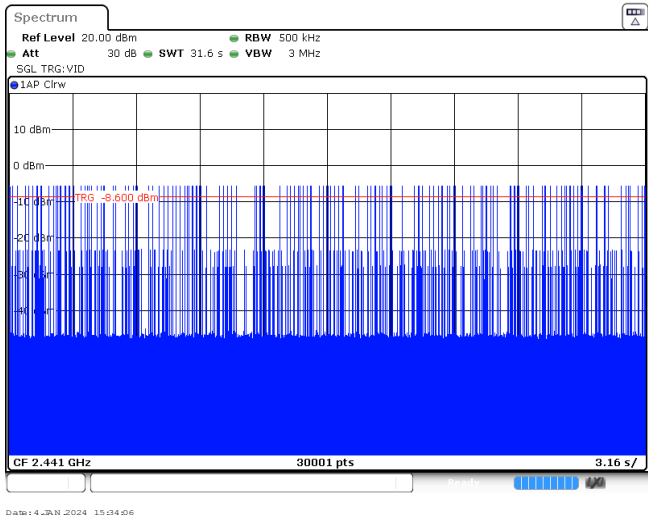
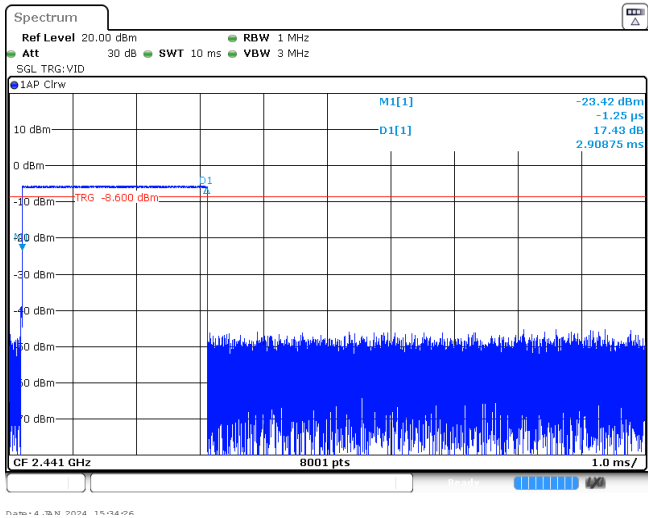
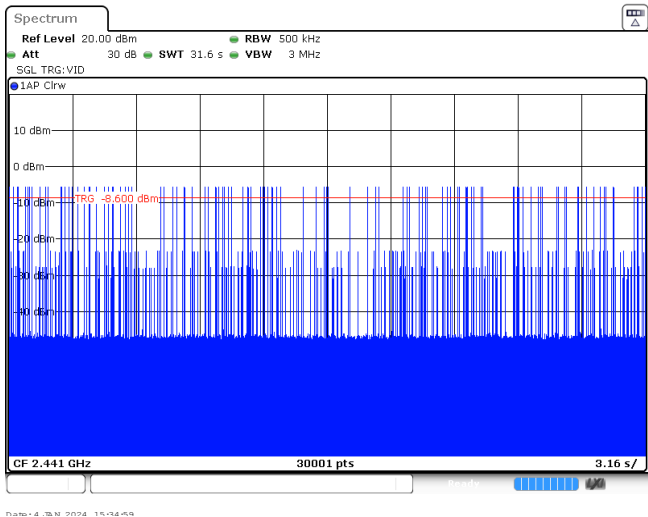


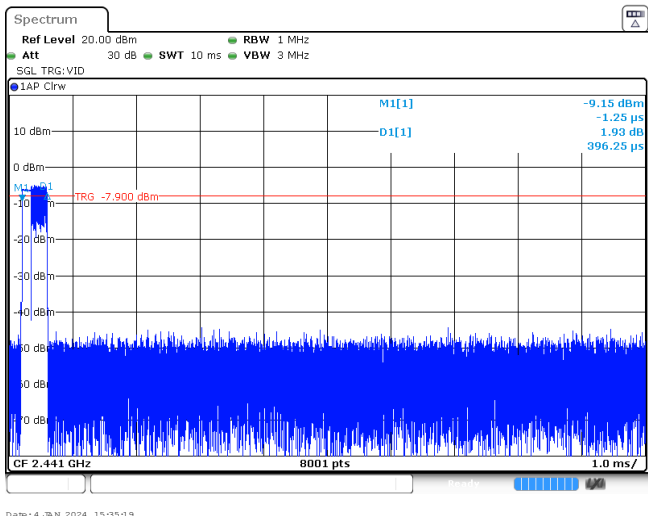
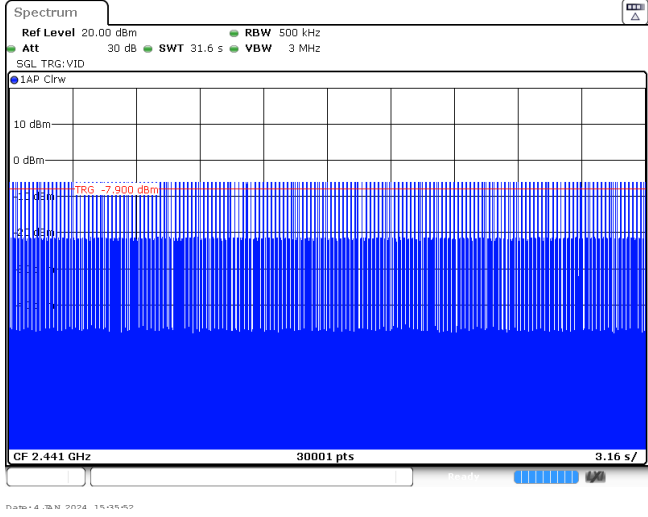
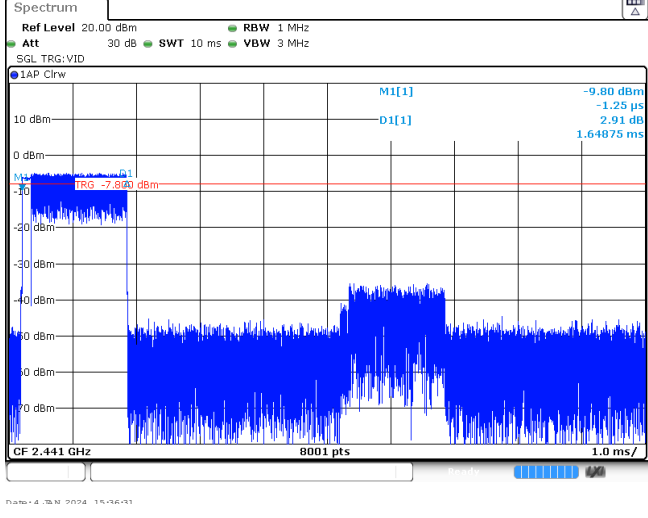
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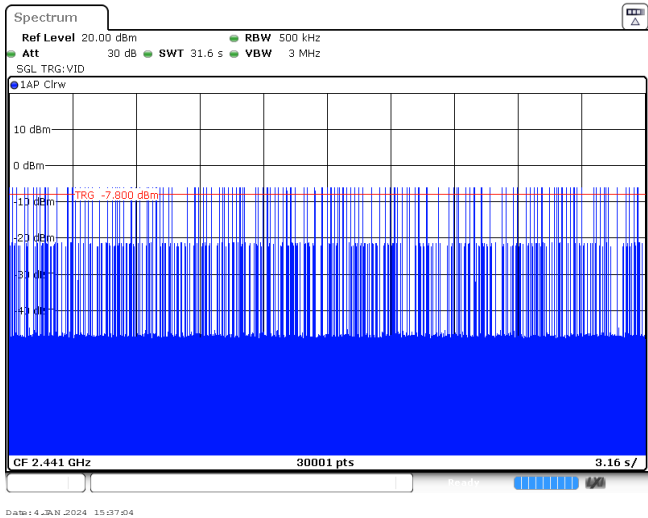
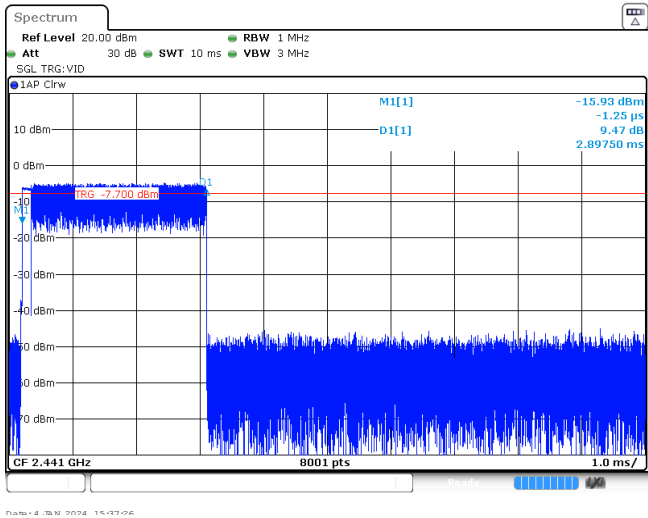
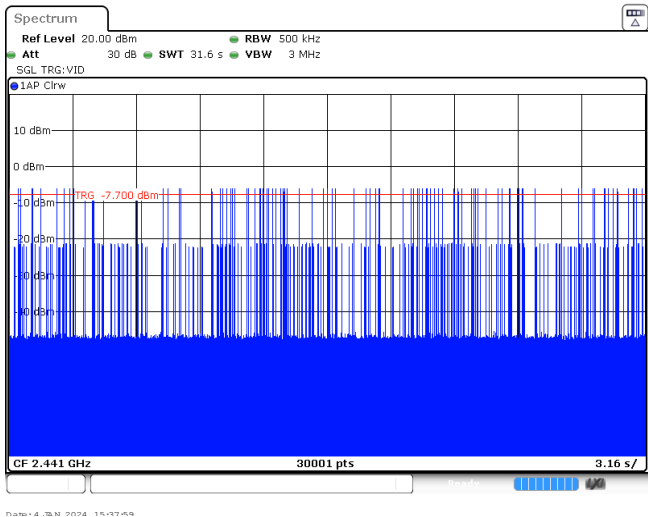
Appendix F: Dwell Time

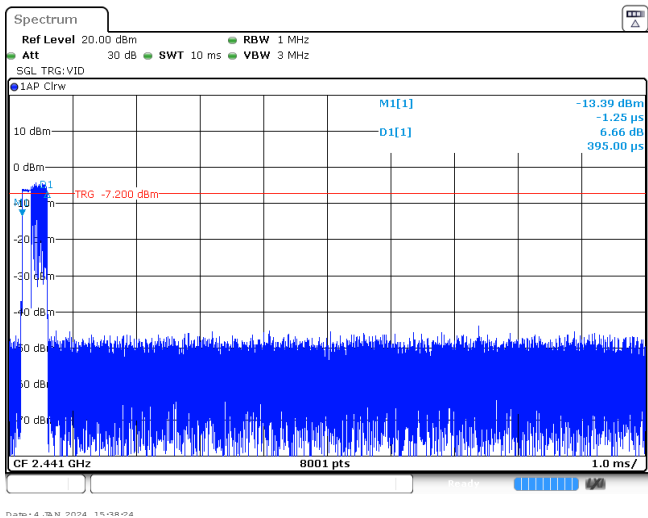
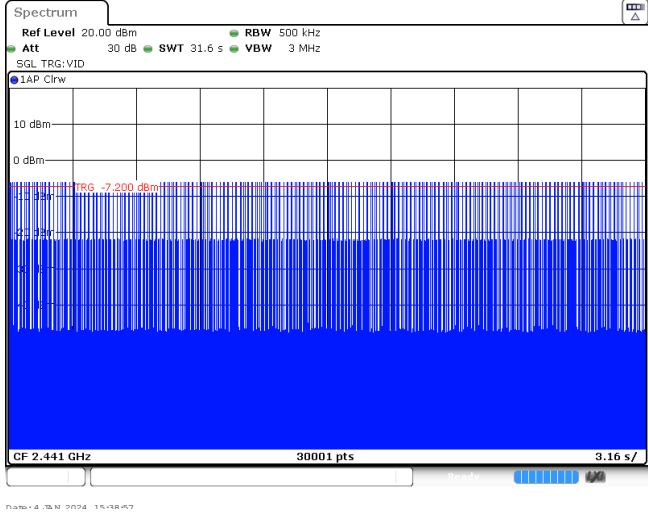
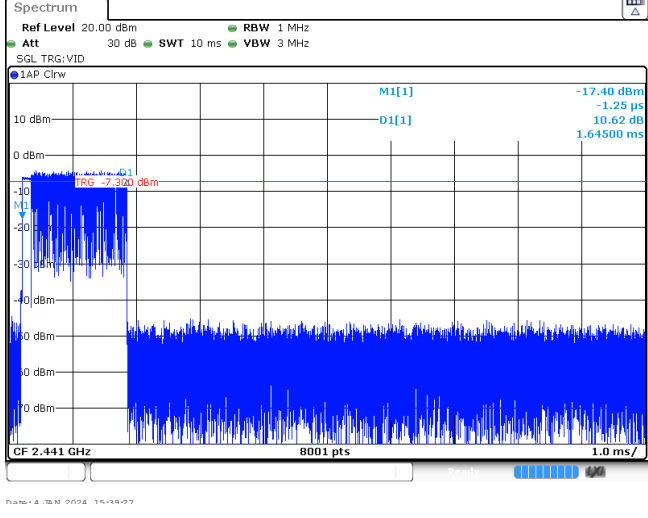
Modulation type	Packet	Burst Width [ms]	Total Hops[hop*ch]	Dwell time (Second)	Limit (Second)	Result
GFSK	DH1	0.40	319.00	0.13	≤ 0.40	Pass
	DH3	1.66	161.00	0.27		
	DH5	2.91	107.00	0.31		
$\pi/4$ DQPSK	2DH1	0.40	321.00	0.13	≤ 0.40	Pass
	2DH3	1.65	154.00	0.25		
	2DH5	2.90	99.00	0.29		
8DPSK	3DH1	0.39	320.00	0.13	≤ 0.40	Pass
	3DH3	1.65	159.00	0.26		
	3DH5	2.90	104.00	0.30		

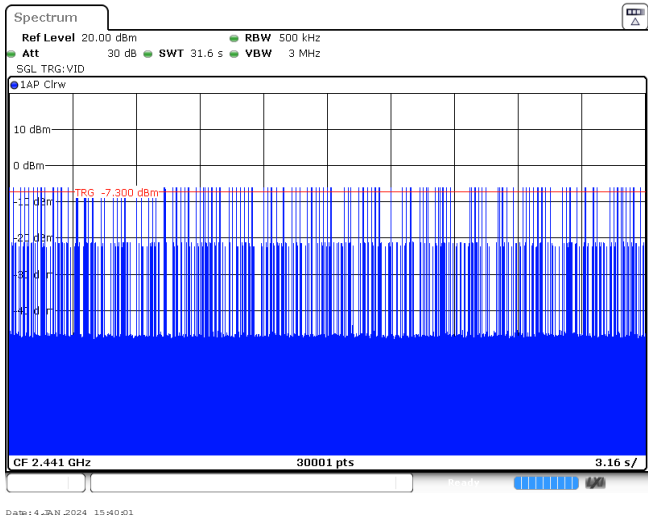
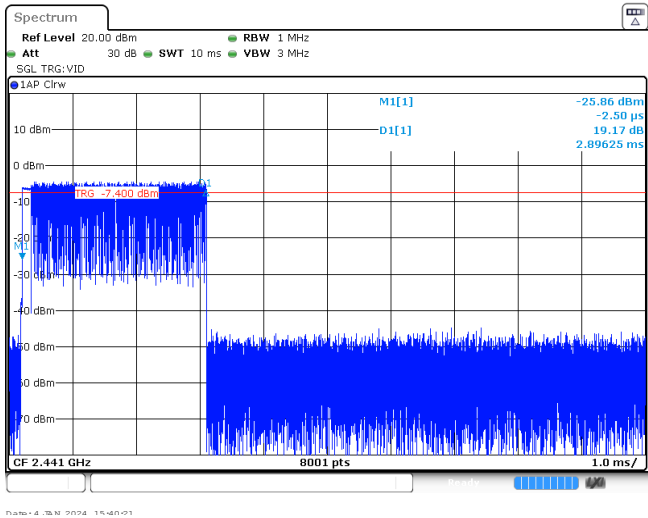
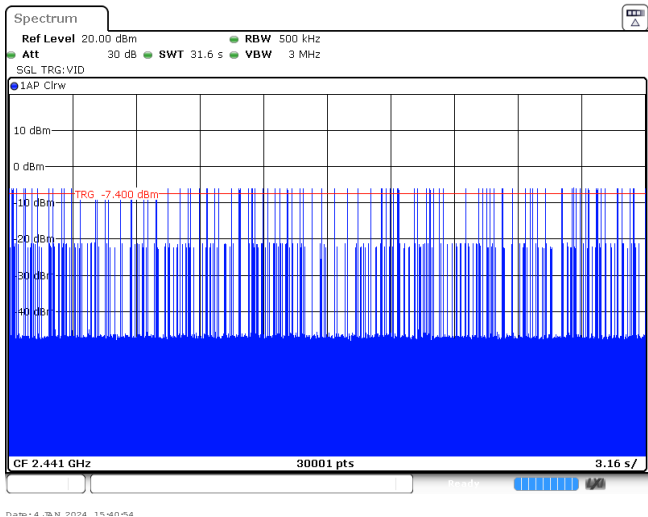
Modulation Type:	GFSK
DH1 Burst width	 The spectrum plot shows a signal at 2.441 GHz. The y-axis represents power in dBm, ranging from -70 to 10. The x-axis represents time in ms, ranging from 0 to 1.0. A red trace line is visible at approximately -8.7 dBm. The plot shows a burst of signal at the beginning, followed by a period of low power. The signal is identified as M1[1] and D1[1]. Parameters: Ref Level 20.00 dBm, Att 30 dB, RBW 1 MHz, SWT 10 ms, VBW 3 MHz. SGL TRG:VID. 1AP Clrw. CF 2.441 GHz, 8001 pts, 1.0 ms/.
DH1 Burst number	 The spectrum plot shows a signal at 2.441 GHz. The y-axis represents power in dBm, ranging from -70 to 10. The x-axis represents time in s, ranging from 0 to 3.16. A red trace line is visible at approximately -8.7 dBm. The plot shows a burst of signal at the beginning, followed by a period of low power. The signal is identified as M1[1] and D1[1]. Parameters: Ref Level 20.00 dBm, Att 30 dB, RBW 500 kHz, SWT 31.6 s, VBW 3 MHz. SGL TRG:VID. 1AP Clrw. CF 2.441 GHz, 30001 pts, 3.16 s/.
DH3 Burst width	 The spectrum plot shows a signal at 2.441 GHz. The y-axis represents power in dBm, ranging from -70 to 10. The x-axis represents time in ms, ranging from 0 to 1.0. A red trace line is visible at approximately -8.7 dBm. The plot shows a burst of signal at the beginning, followed by a period of low power. The signal is identified as M1[1] and D1[1]. Parameters: Ref Level 20.00 dBm, Att 30 dB, RBW 1 MHz, SWT 10 ms, VBW 3 MHz. SGL TRG:VID. 1AP Clrw. CF 2.441 GHz, 8001 pts, 1.0 ms/.

DH3 Burst number	
DH5 Burst width	
DH5 Burst number	

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

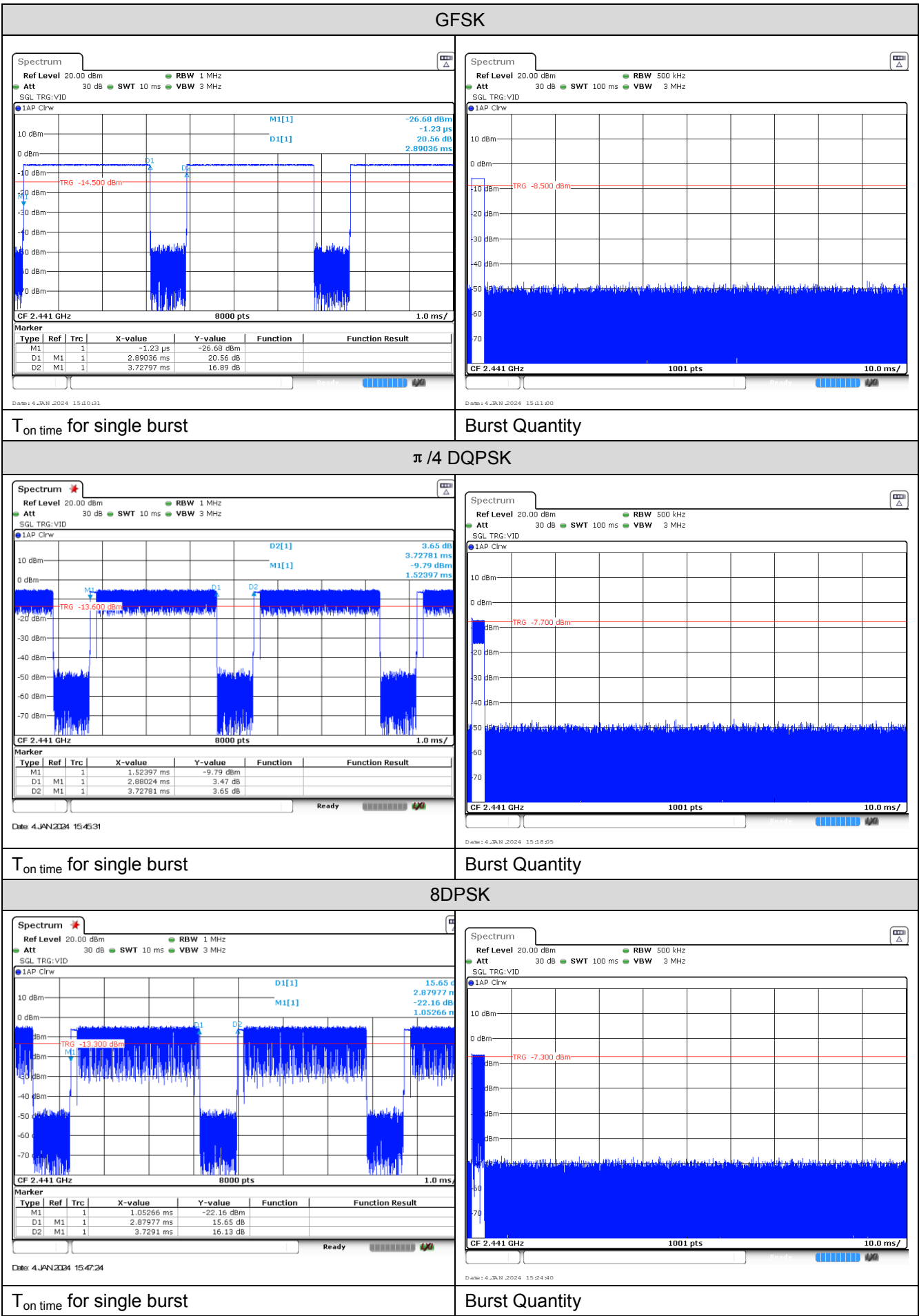
2DH3 Burst number	
2DH5 Burst width	
2DH5 Burst number	

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

3DH3 Burst number	
3DH5 Burst width	
3DH5 Burst number	

Appendix G: Duty Cycle Correction Factor (DCCF)

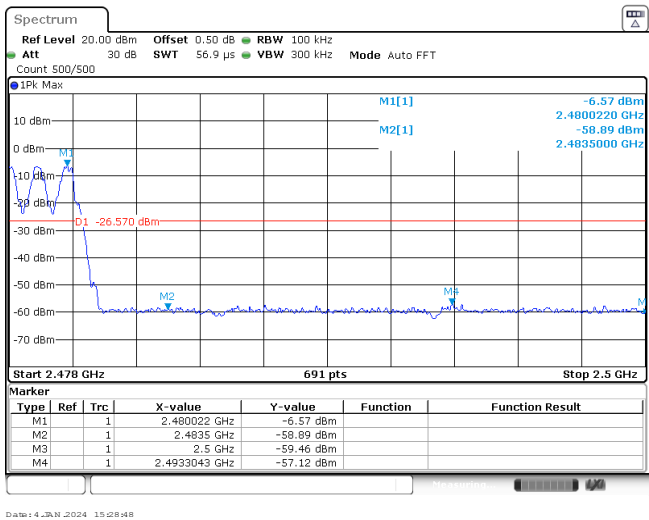
DCCF Calculate Formula					
DCCF=20 * Log(duty cycle) = 20 * Log($T_{\text{on time}} / T_{\text{period}}$)					
Modulation type	Test Frequency (MHz)	$T_{\text{on time}}$ for single burst [ms]	T_{period} [ms]	Burst Quantity	DCCF [dB]
GFSK	2441	2.89	100	1.00	-30.78
$\pi/4$ DQPSK	2441	2.88	100	1.00	-30.81
8DPSK	2441	2.88	100	1.00	-30.81



Appendix H: Band edge and Spurious Emissions (conducted)

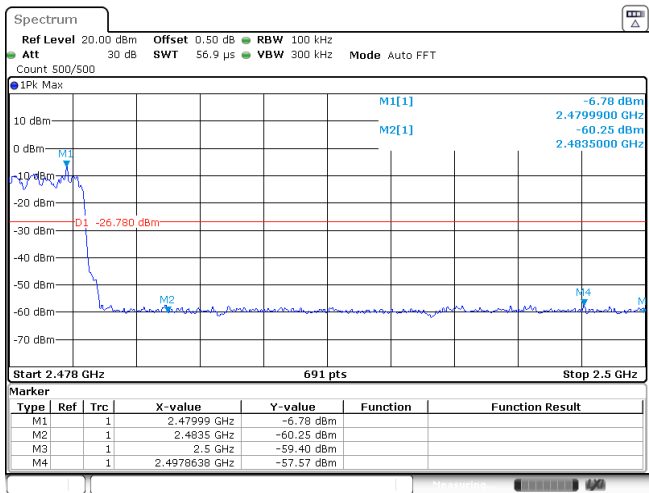
Test Item:	Band edge	Modulation type:	GFSK																																										
CH00 No hopping mode	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 1.1 ms VBW 300 kHz Mode Auto Sweep Count 300/300 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M2[1] M3 M4 M5 -6.23 dBm 2.401770 GHz -53.89 dBm 2.400000 GHz D1 -26.250 dBm Start 2.31 GHz 691 pts Stop 2.405 GHz Marker <table><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><tr><td>M1</td><td>1</td><td></td><td>2.40177 GHz</td><td>-6.23 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-53.89 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-55.31 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-54.50 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.348413 GHz</td><td>-52.31 dBm</td><td></td><td></td></tr></table> Date: 4 JUN 2024 14:57:35			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.40177 GHz	-6.23 dBm			M2	1		2.4 GHz	-53.89 dBm			M3	1		2.39 GHz	-55.31 dBm			M4	1		2.31 GHz	-54.50 dBm			M5	1		2.348413 GHz	-52.31 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1		2.40177 GHz	-6.23 dBm																																									
M2	1		2.4 GHz	-53.89 dBm																																									
M3	1		2.39 GHz	-55.31 dBm																																									
M4	1		2.31 GHz	-54.50 dBm																																									
M5	1		2.348413 GHz	-52.31 dBm																																									
CH00 Hopping mode	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 1.1 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M2[1] M3 M4 M5 -6.54 dBm 2.402870 GHz -55.50 dBm 2.400000 GHz D1 -26.540 dBm Start 2.31 GHz 691 pts Stop 2.405 GHz Marker <table><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><tr><td>M1</td><td>1</td><td></td><td>2.40287 GHz</td><td>-6.54 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-55.50 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-55.17 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-54.15 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.359565 GHz</td><td>-53.28 dBm</td><td></td><td></td></tr></table> Date: 4 JUN 2024 15:08:42			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.40287 GHz	-6.54 dBm			M2	1		2.4 GHz	-55.50 dBm			M3	1		2.39 GHz	-55.17 dBm			M4	1		2.31 GHz	-54.15 dBm			M5	1		2.359565 GHz	-53.28 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1		2.40287 GHz	-6.54 dBm																																									
M2	1		2.4 GHz	-55.50 dBm																																									
M3	1		2.39 GHz	-55.17 dBm																																									
M4	1		2.31 GHz	-54.15 dBm																																									
M5	1		2.359565 GHz	-53.28 dBm																																									
CH78 No hopping mode	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 56.9 μs VBW 300 kHz Mode Auto FFT Count 300/300 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M2[1] M3 M4 M5 -5.78 dBm 2.4798310 GHz -58.92 dBm 2.4835000 GHz D1 -25.780 dBm Start 2.478 GHz 691 pts Stop 2.5 GHz Marker <table><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><tr><td>M1</td><td>1</td><td></td><td>2.479831 GHz</td><td>-5.78 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-58.92 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-58.71 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.4861623 GHz</td><td>-56.38 dBm</td><td></td><td></td></tr></table> Date: 4 JUN 2024 15:12:49			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.479831 GHz	-5.78 dBm			M2	1		2.4835 GHz	-58.92 dBm			M3	1		2.5 GHz	-58.71 dBm			M4	1		2.4861623 GHz	-56.38 dBm									
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
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M2	1		2.4835 GHz	-58.92 dBm																																									
M3	1		2.5 GHz	-58.71 dBm																																									
M4	1		2.4861623 GHz	-56.38 dBm																																									

CH78
Hopping mode



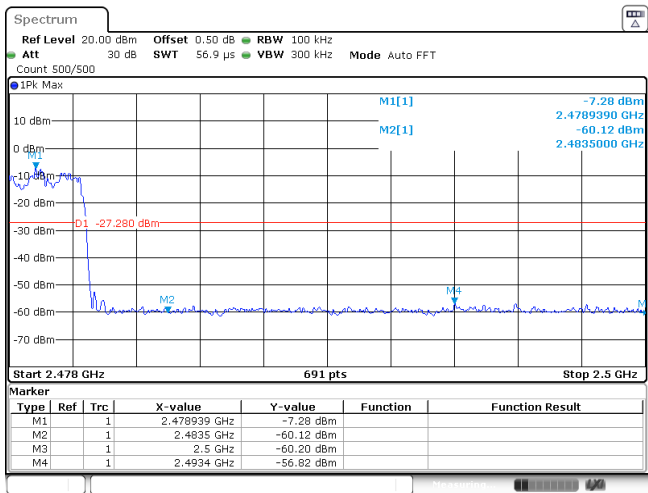
Test Item:	Band edge	Modulation type:	$\pi/4$ DQPSK																																										
CH00 No hopping mode	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 1.1 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1Pk Max M1[1] -6.67 dBm 2.401770 GHz M2[1] -54.42 dBm 2.400000 GHz D1 -26.670 dBm M5 M3 M2 Start 2.31 GHz 691 pts Stop 2.405 GHz Marker <table><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><tr><td>M1</td><td>1</td><td></td><td>2.40177 GHz</td><td>-6.67 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-54.42 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-54.47 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-54.82 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.316471 GHz</td><td>-52.13 dBm</td><td></td><td></td></tr></table>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.40177 GHz	-6.67 dBm			M2	1		2.4 GHz	-54.42 dBm			M3	1		2.39 GHz	-54.47 dBm			M4	1		2.31 GHz	-54.82 dBm			M5	1		2.316471 GHz	-52.13 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
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CH00 Hopping mode	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 1.1 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1Pk Max M1[1] -6.71 dBm 2.402040 GHz M2[1] -55.04 dBm 2.400000 GHz D1 -26.710 dBm M5 M3 M2 Start 2.31 GHz 691 pts Stop 2.405 GHz Marker <table><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><tr><td>M1</td><td>1</td><td></td><td>2.40204 GHz</td><td>-6.71 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-55.04 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-55.02 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-54.84 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.330101 GHz</td><td>-52.12 dBm</td><td></td><td></td></tr></table>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.40204 GHz	-6.71 dBm			M2	1		2.4 GHz	-55.04 dBm			M3	1		2.39 GHz	-55.02 dBm			M4	1		2.31 GHz	-54.84 dBm			M5	1		2.330101 GHz	-52.12 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
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M2	1		2.4 GHz	-55.04 dBm																																									
M3	1		2.39 GHz	-55.02 dBm																																									
M4	1		2.31 GHz	-54.84 dBm																																									
M5	1		2.330101 GHz	-52.12 dBm																																									
CH78 No hopping mode	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 56.9 μs VBW 300 kHz Mode Auto FFT Count 500/500 1Pk Max M1[1] -6.30 dBm 2.4798310 GHz M2[1] -59.11 dBm 2.4835000 GHz D1 -26.300 dBm M2 M3 M4 Start 2.478 GHz 691 pts Stop 2.5 GHz Marker <table><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><tr><td>M1</td><td>1</td><td></td><td>2.479831 GHz</td><td>-6.30 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-59.11 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-59.13 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.4998406 GHz</td><td>-57.23 dBm</td><td></td><td></td></tr></table>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.479831 GHz	-6.30 dBm			M2	1		2.4835 GHz	-59.11 dBm			M3	1		2.5 GHz	-59.13 dBm			M4	1		2.4998406 GHz	-57.23 dBm									
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M4	1		2.4998406 GHz	-57.23 dBm																																									

CH78
Hopping mode

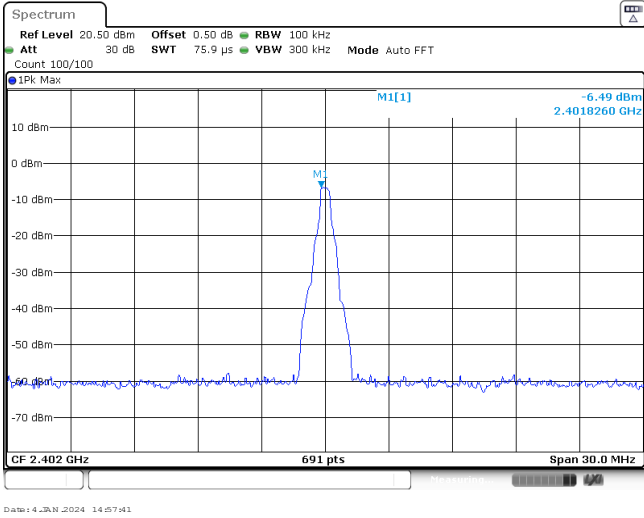
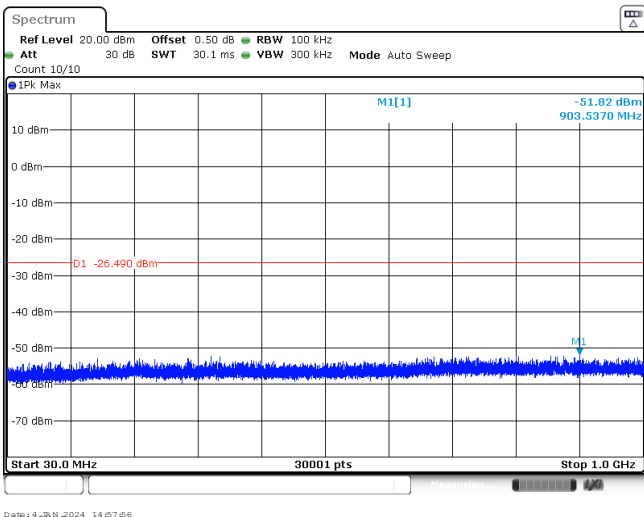
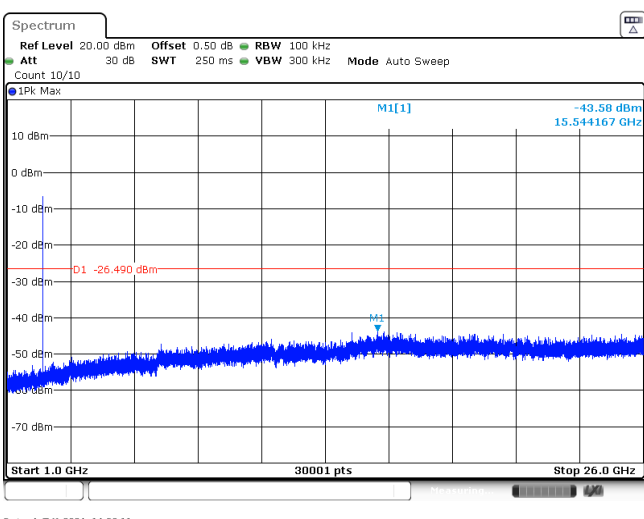


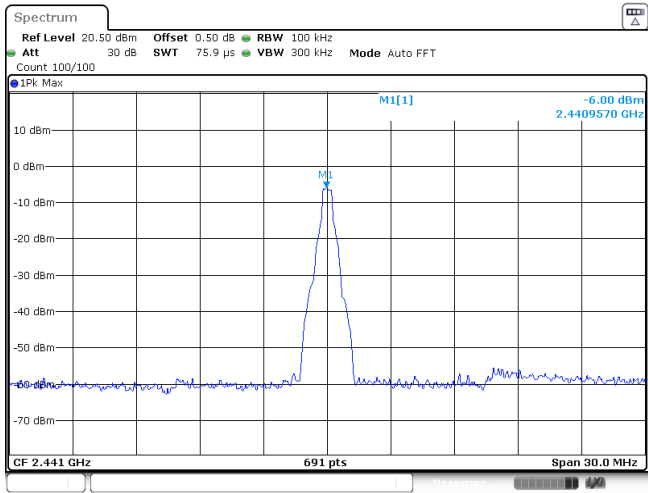
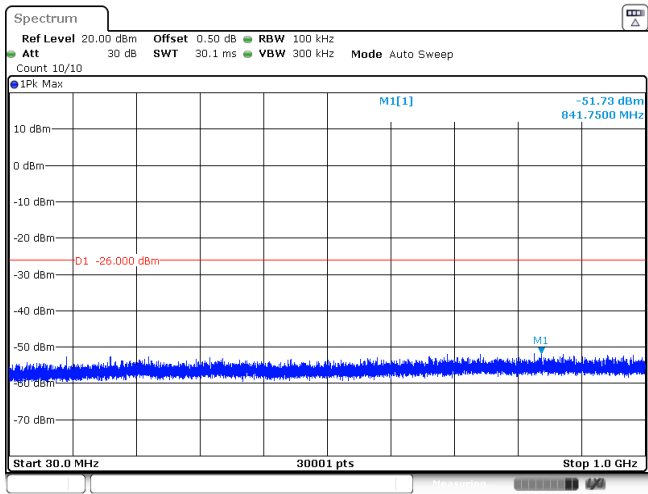
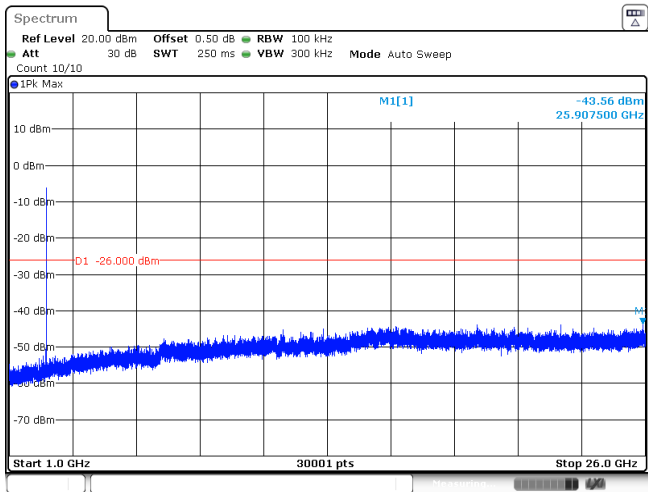
Test Item:	Band edge	Modulation type:	8DPSK																																										
CH00 No hopping mode	Spectrum Ref Level 20.00 dBm Att 30 dB Count 500/500 Offset 0.50 dB SWT 1.1 ms RBW 100 kHz VBW 300 kHz Mode Auto Sweep 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M2[1] D1 -26.710 dBm M5 M3 M2 -6.71 dBm 2.401770 GHz -54.79 dBm 2.400000 GHz Start 2.31 GHz 691 pts Stop 2.405 GHz Marker <table><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><tr><td>M1</td><td>1</td><td></td><td>2.40177 GHz</td><td>-6.71 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-54.79 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-55.18 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-54.53 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.339051 GHz</td><td>-52.93 dBm</td><td></td><td></td></tr></table> Plot: 4 - 26.31 2074 15.01.19			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.40177 GHz	-6.71 dBm			M2	1		2.4 GHz	-54.79 dBm			M3	1		2.39 GHz	-55.18 dBm			M4	1		2.31 GHz	-54.53 dBm			M5	1		2.339051 GHz	-52.93 dBm		
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CH00 Hopping mode	Spectrum Ref Level 20.00 dBm Att 30 dB Count 500/500 Offset 0.50 dB SWT 1.1 ms RBW 100 kHz VBW 300 kHz Mode Auto Sweep 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M2[1] D1 -26.780 dBm M5 M3 M2 -6.78 dBm 2.402180 GHz -55.59 dBm 2.400000 GHz Start 2.31 GHz 691 pts Stop 2.405 GHz Marker <table><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><tr><td>M1</td><td>1</td><td></td><td>2.40218 GHz</td><td>-6.78 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-55.59 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-55.49 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-54.35 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.340014 GHz</td><td>-52.94 dBm</td><td></td><td></td></tr></table> Plot: 4 - 26.31 2074 15.01.19			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.40218 GHz	-6.78 dBm			M2	1		2.4 GHz	-55.59 dBm			M3	1		2.39 GHz	-55.49 dBm			M4	1		2.31 GHz	-54.35 dBm			M5	1		2.340014 GHz	-52.94 dBm		
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CH78 No hopping mode	Spectrum Ref Level 20.00 dBm Att 30 dB Count 500/500 Offset 0.50 dB SWT 56.9 μs RBW 100 kHz VBW 300 kHz Mode Auto FFT 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M2[1] D1 -26.330 dBm M2 M4 -6.33 dBm 2.4798310 GHz -59.69 dBm 2.4835000 GHz Start 2.478 GHz 691 pts Stop 2.5 GHz Marker <table><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><tr><td>M1</td><td>1</td><td></td><td>2.479831 GHz</td><td>-6.33 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-59.69 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-58.93 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.4956319 GHz</td><td>-56.76 dBm</td><td></td><td></td></tr></table> Plot: 4 - 26.31 2024 15.02.07			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.479831 GHz	-6.33 dBm			M2	1		2.4835 GHz	-59.69 dBm			M3	1		2.5 GHz	-58.93 dBm			M4	1		2.4956319 GHz	-56.76 dBm									
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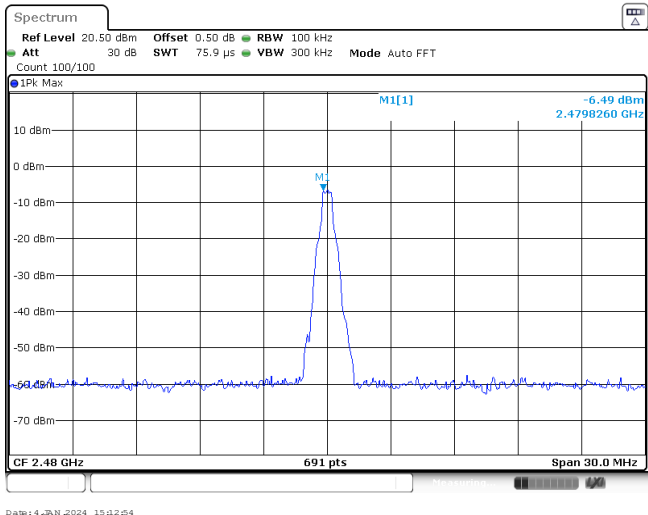
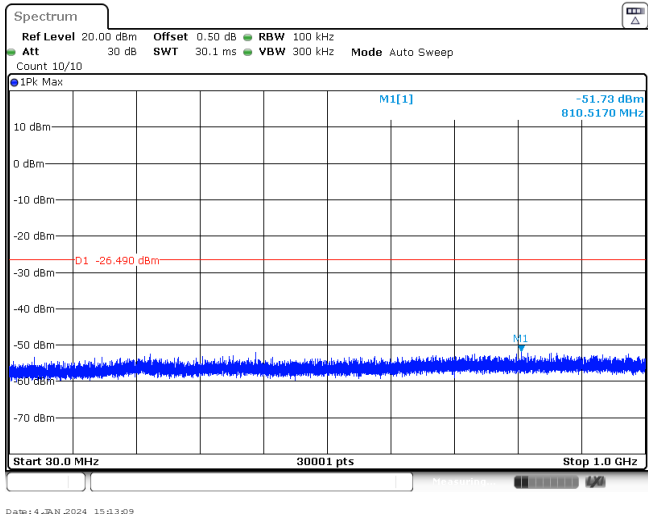
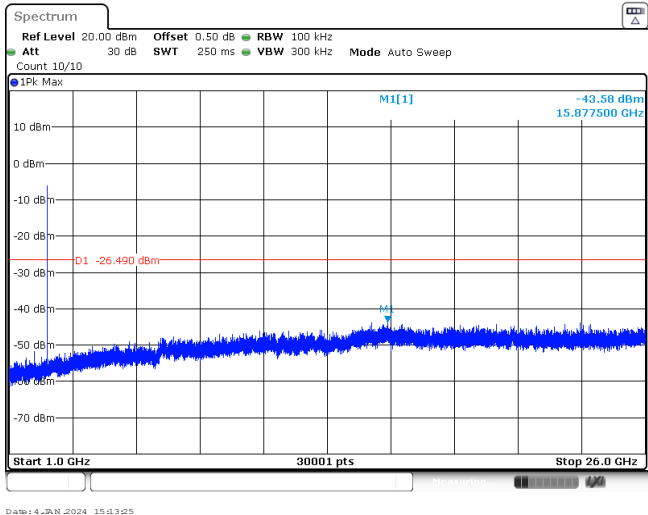
CH78
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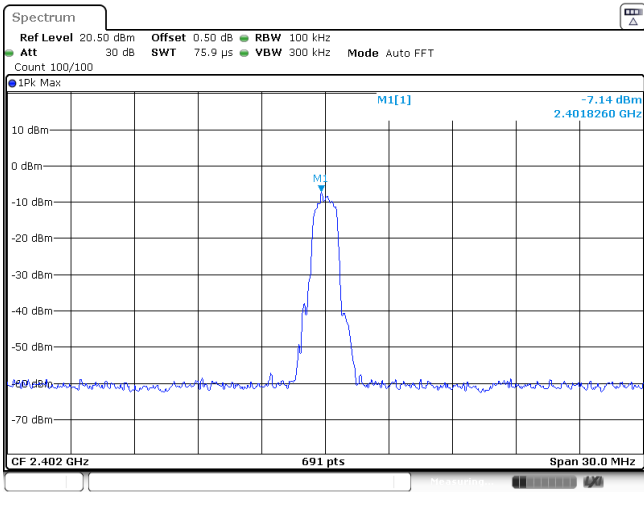
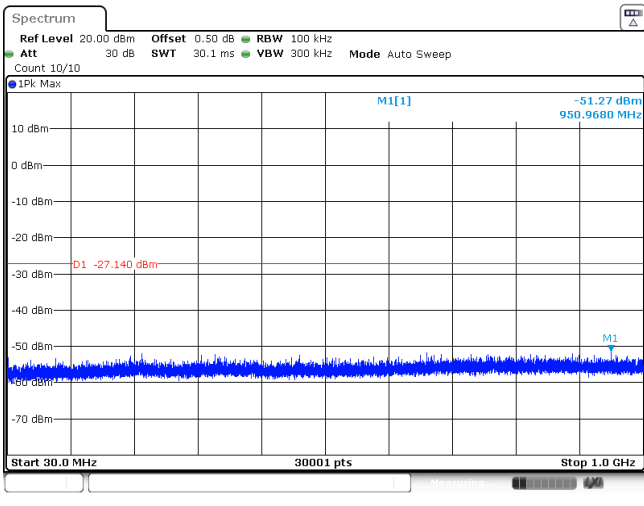
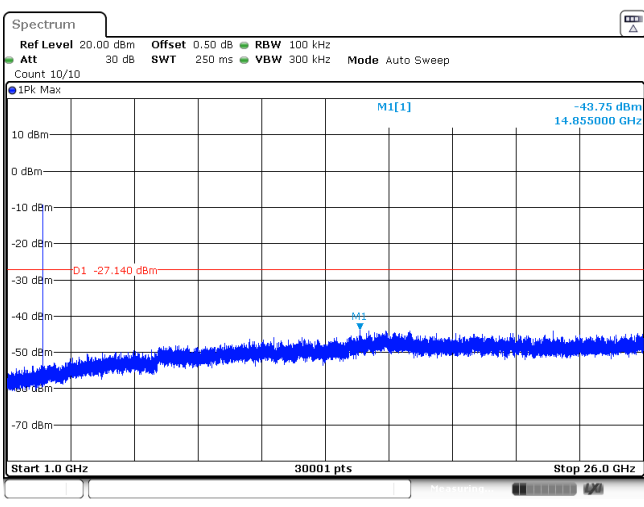


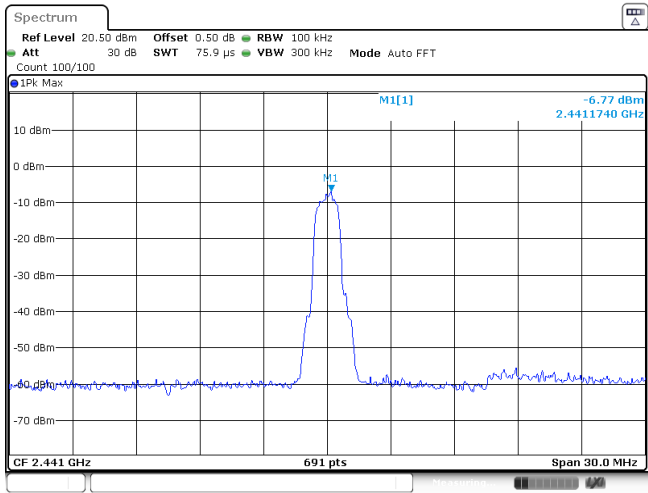
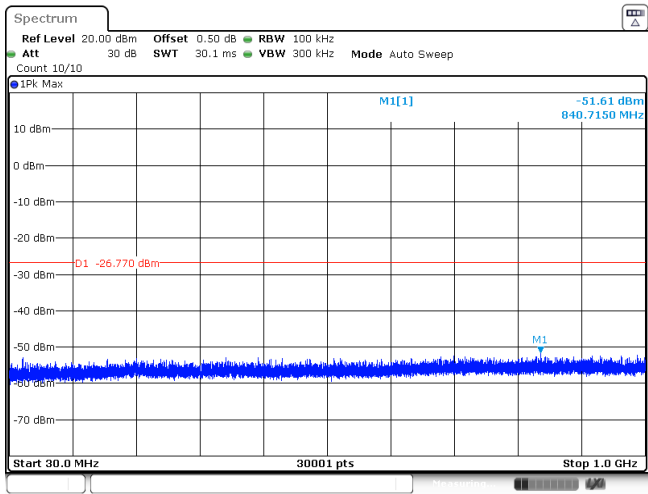
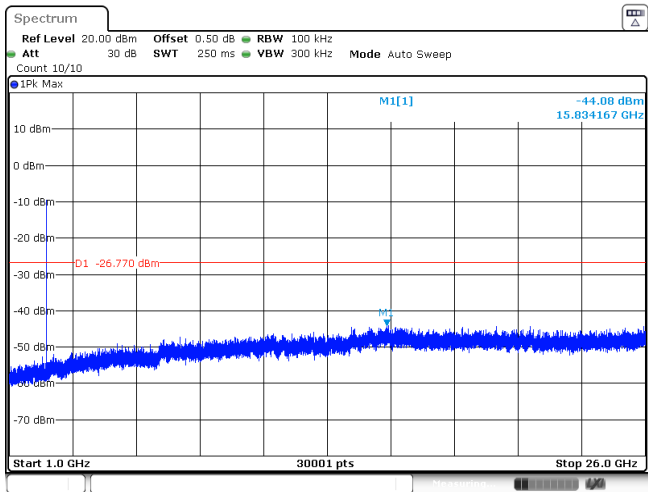
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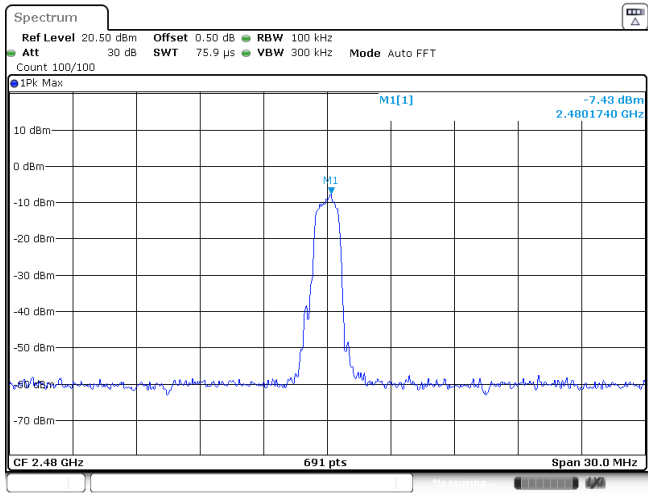
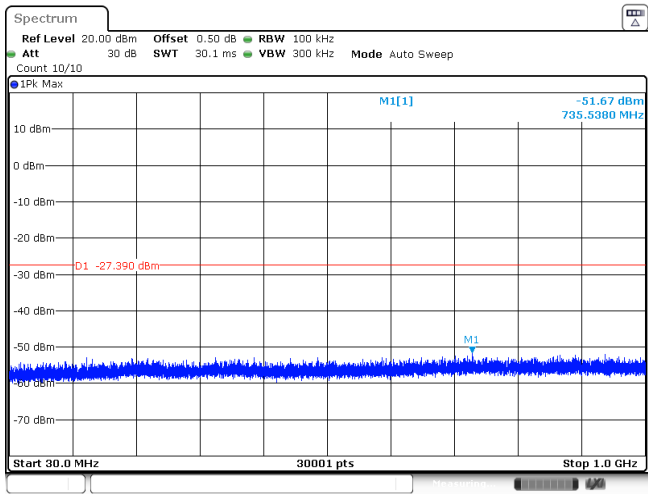
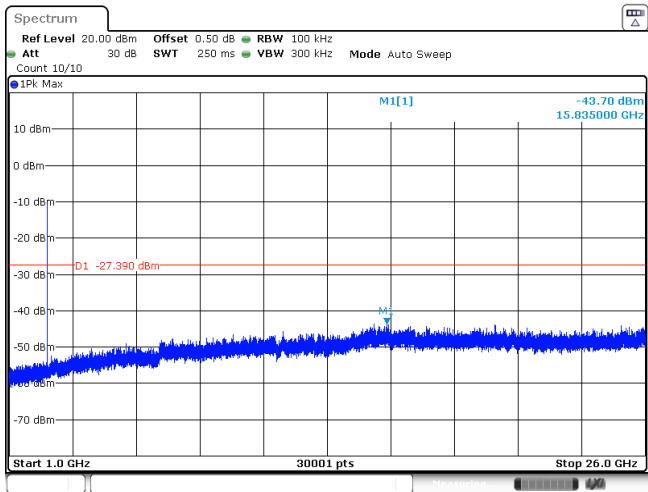
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CH00 1GHz~26GHz			

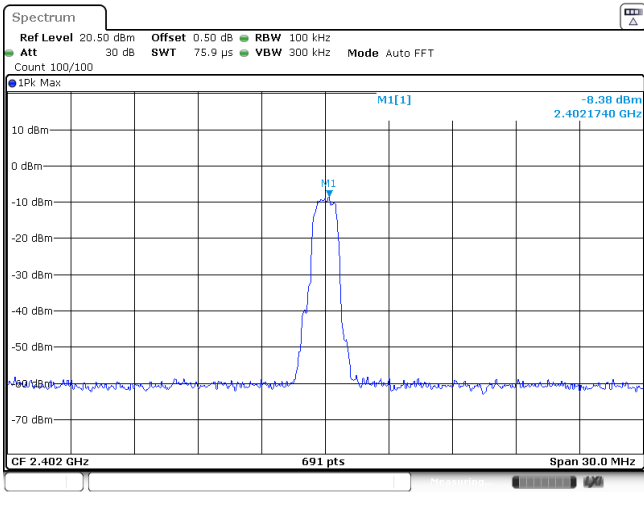
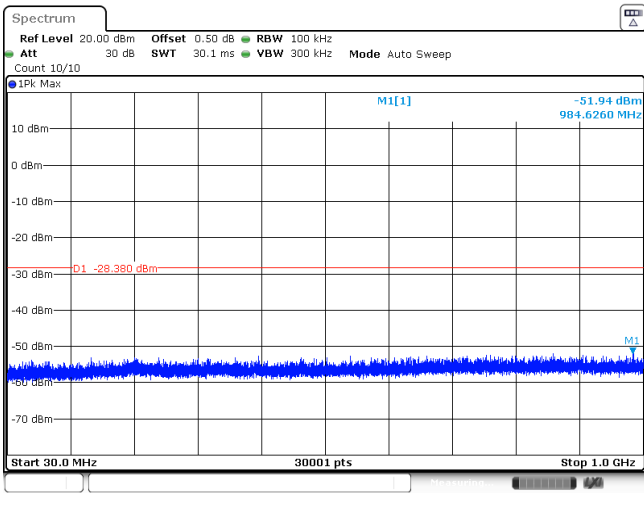
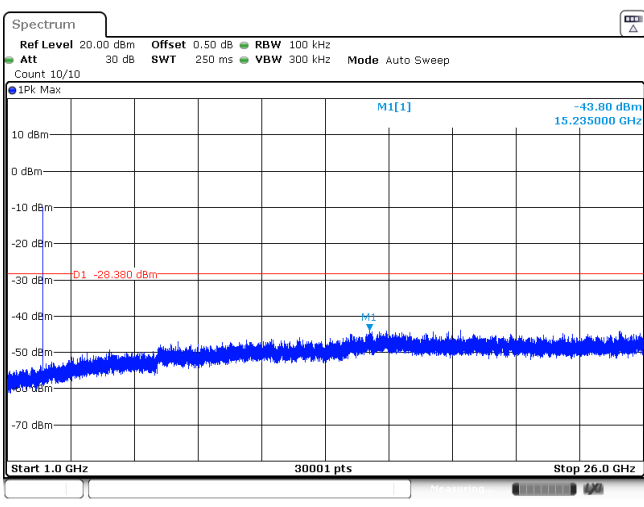
CH39 Reference level	 Spectrum Ref Level 20.50 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT Count 100/100 IPk Max M1[1] -6.00 dBm 2.4409570 GHz CF 2.441 GHz 691 pts Span 30.0 MHz Date: 4_JAN_2024 15:11:27
CH39 30MHz~1000MHz	 Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 IPk Max M1[1] -51.73 dBm 841.7500 MHz D1 -26.000 dBm Start 30.0 MHz 30001 pts Stop 1.0 GHz Date: 4_JAN_2024 15:11:42
CH39 1GHz~26GHz	 Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 IPk Max M1[1] -43.56 dBm 25.907500 GHz D1 -26.000 dBm Start 1.0 GHz 30001 pts Stop 26.0 GHz Date: 4_JAN_2024 15:11:58

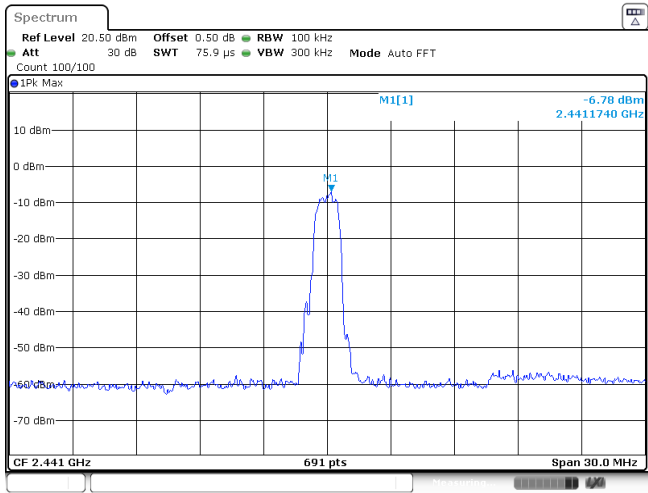
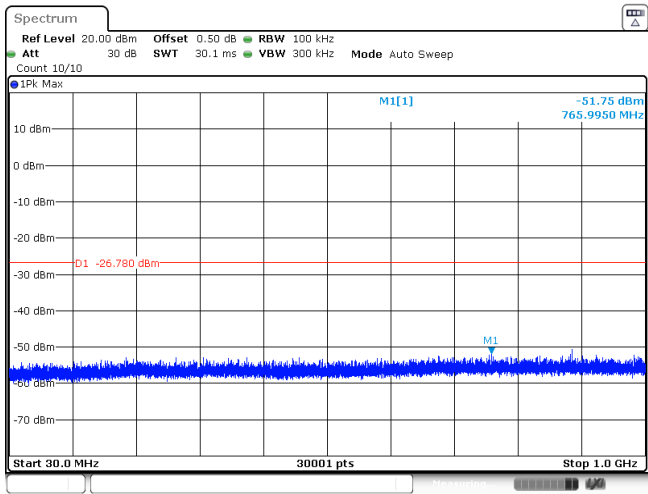
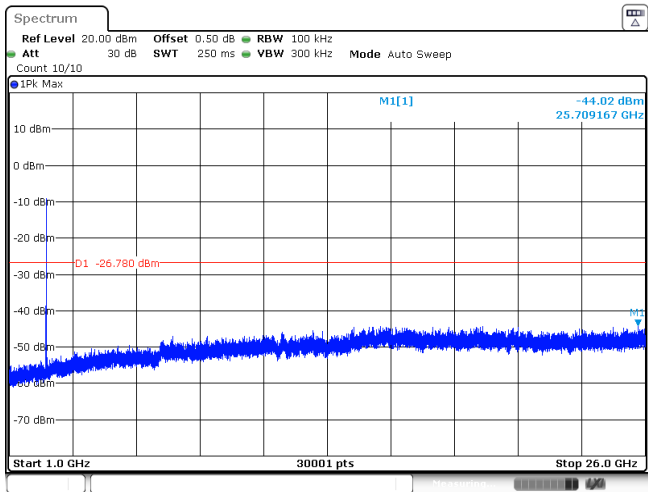
CH78 Reference level	
CH78 30MHz~1000MHz	
CH78 1GHz~26GHz	

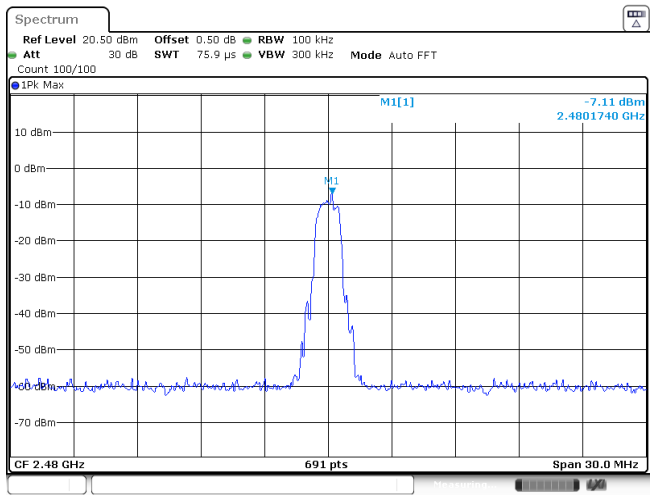
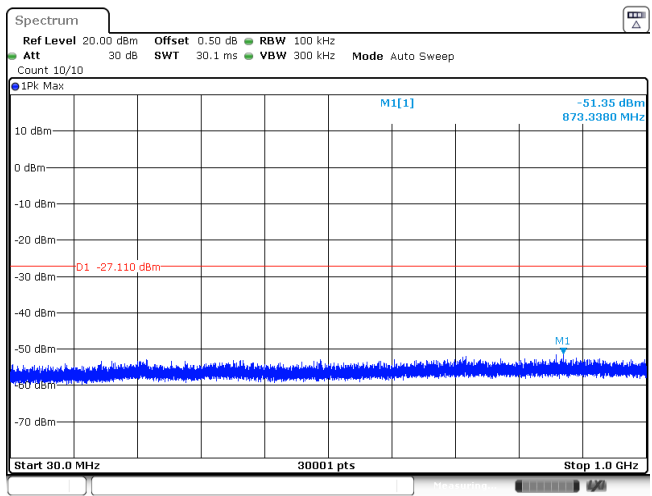
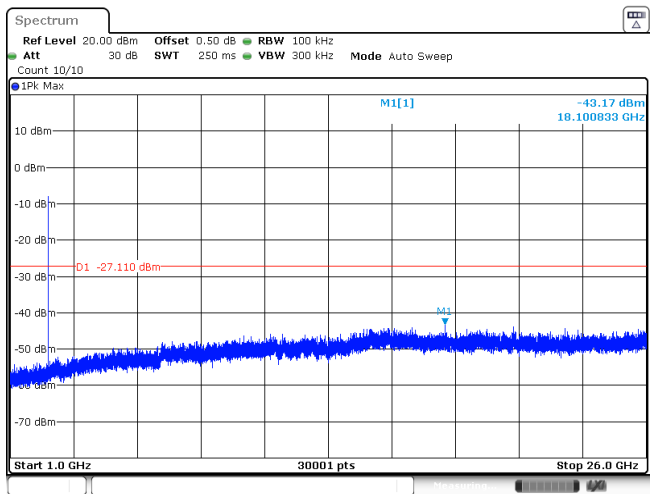
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CH00 Reference level			
CH00 30MHz~1000MHz			
CH00 1GHz~26GHz			

CH39 Reference level	 Ref Level 20.50 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT Count 100/100 IPk Max M1[1] -6.77 dBm 2.4411740 GHz CF 2.441 GHz 691 pts Span 30.0 MHz Date: 4_JAN_2024 15:18:27
CH39 30MHz~1000MHz	 Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 IPk Max M1[1] -51.61 dBm 840.7150 MHz D1 -26.770 dBm Start 30.0 MHz 30001 pts Stop 1.0 GHz Date: 4_JAN_2024 15:18:42
CH39 1GHz~26GHz	 Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 IPk Max M1[1] -44.08 dBm 15.834167 GHz D1 -26.770 dBm Start 1.0 GHz 30001 pts Stop 26.0 GHz Date: 4_JAN_2024 15:18:57

CH78 Reference level	
CH78 30MHz~1000MHz	
CH78 1GHz~26GHz	

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

CH39 Reference level	
CH39 30MHz~1000MHz	
CH39 1GHz~26GHz	

CH78 Reference level	
CH78 30MHz~1000MHz	
CH78 1GHz~26GHz	

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