

APPENDIX REPORT

Project No.	SHT2107001007EW	Radio Specification	Bluetooth EDR
Test sample No.	YPHT21070010004	Model No.	L506
Start test date	2021-07-08	Finish date	2021-07-08
Temperature	25.9°C	Humidity	31%
Test Engineer	Weiyang Xiang	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

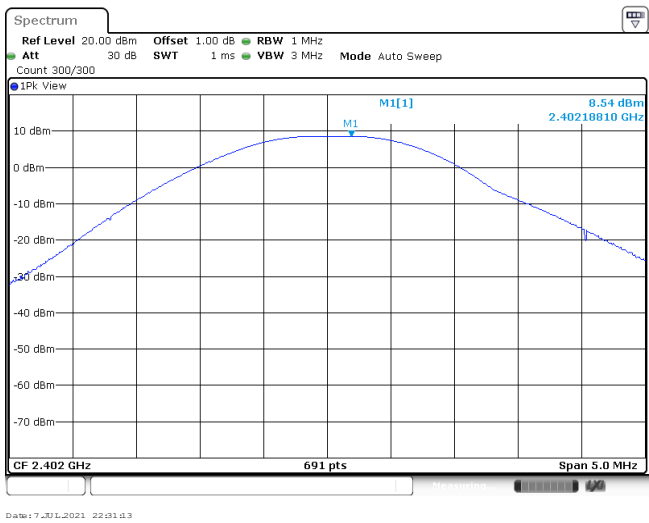
Appendix A: Peak Output Power

Modulation type	Channel	Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
GFSK	00	8.54	8.51	≤ 30.00	Pass
	39	6.98	6.92		
	78	7.35	7.32		
$\pi/4$ DQPSK	00	8.98	7.85	≤ 21.00	Pass
	39	9.82	8.33		
	78	10.35	9.20		
8DPSK	00	9.07	7.80	≤ 21.00	Pass
	39	9.95	8.30		
	78	10.45	9.22		

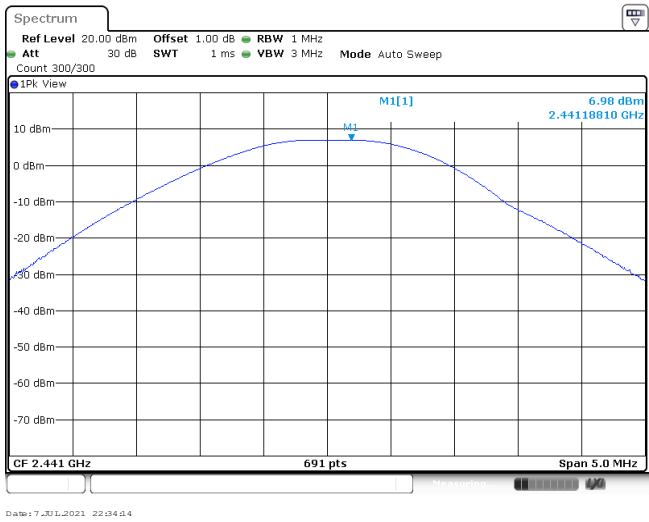
Modulation Type:

GFSK

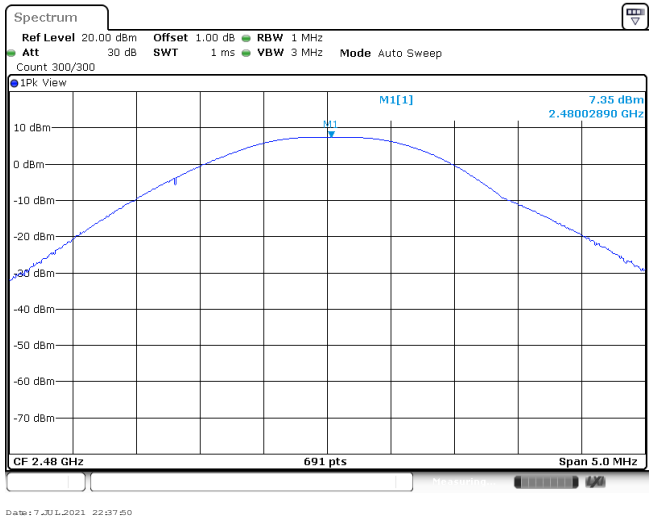
CH00



CH39



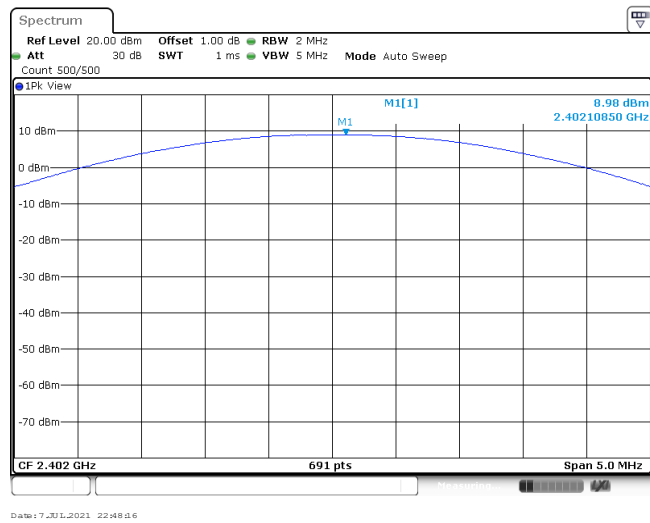
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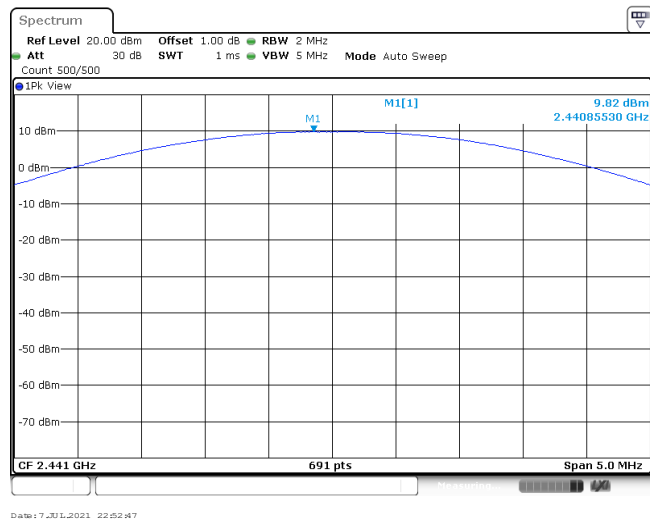
Modulation Type:

 $\pi/4$ DQPSK

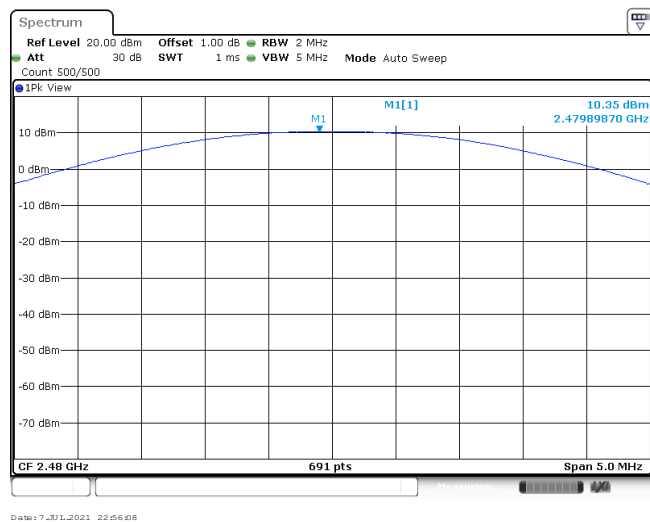
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CH39



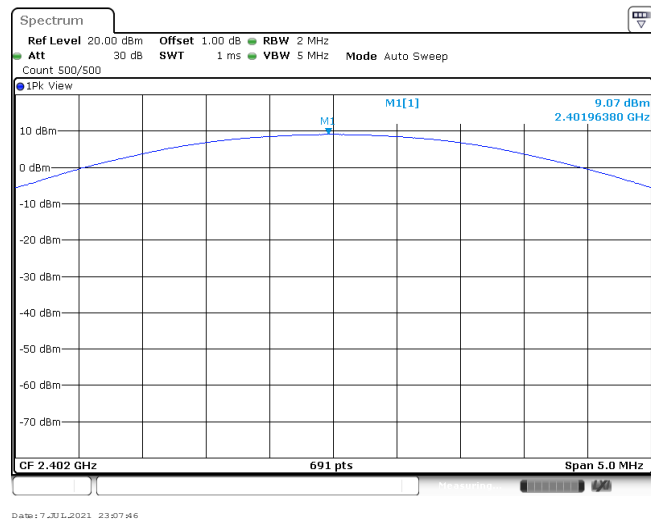
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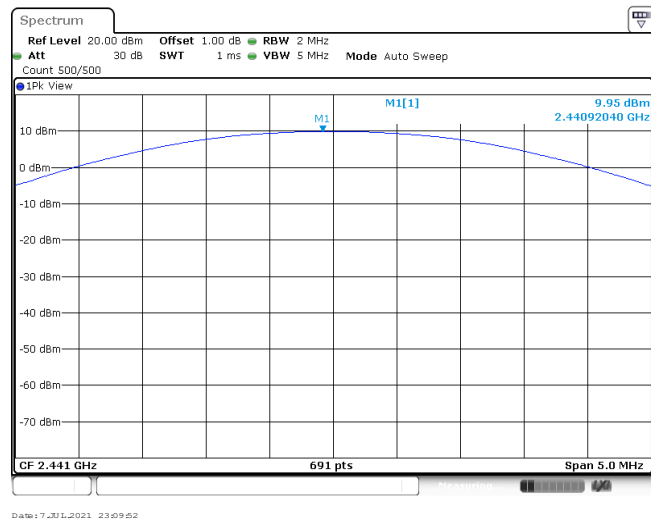
Modulation Type:

8DPSK

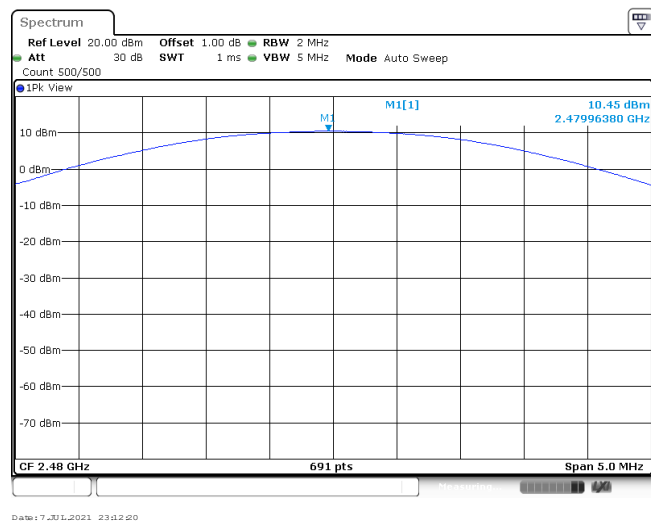
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CH39



CH78



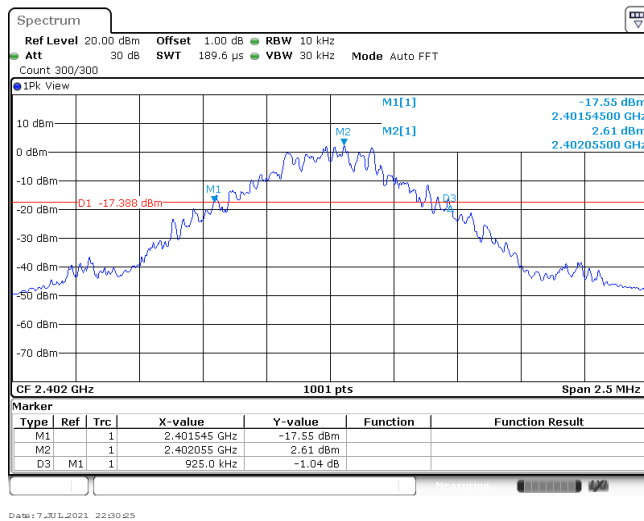
Appendix B : 20 dB Bandwidth

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	1290.00	-	Pass
	39	1287.50		
	78	1287.50		
8DPSK	00	1292.50	-	Pass
	39	1292.50		
	78	1295.00		

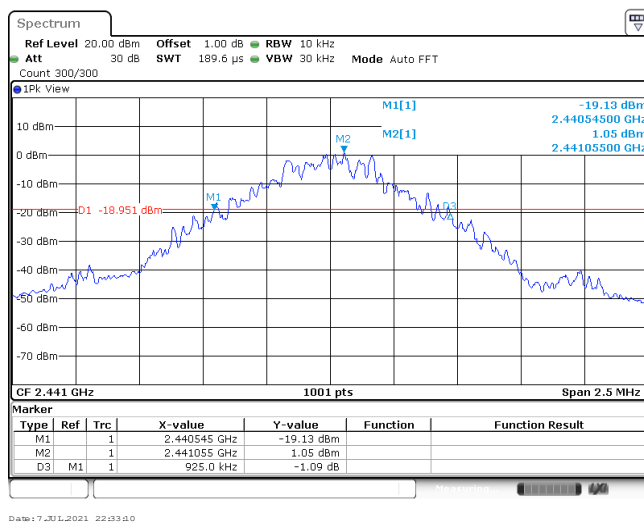
Modulation Type:

GFSK

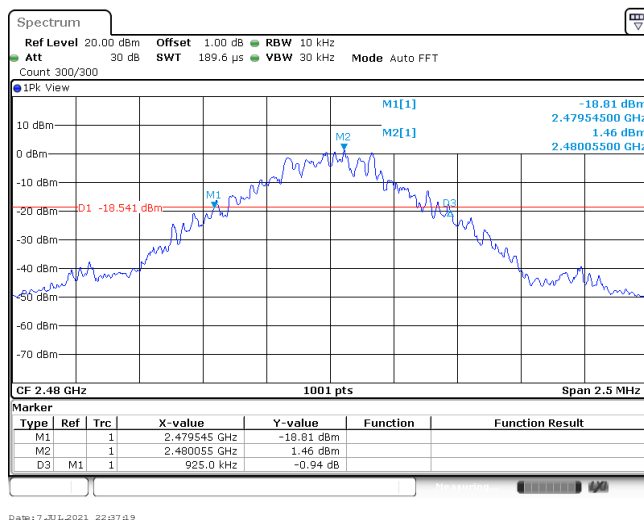
CH00

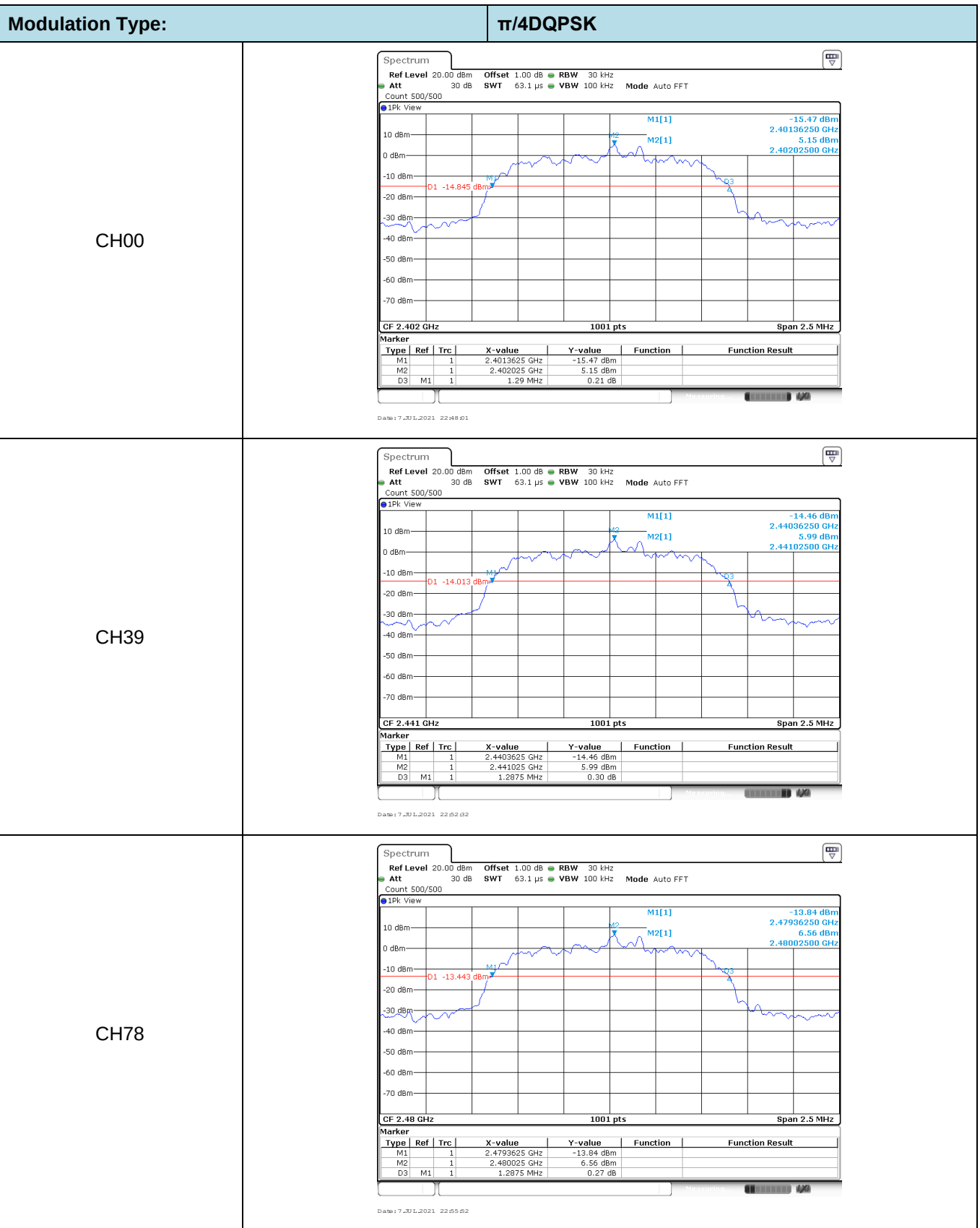


CH39



CH78

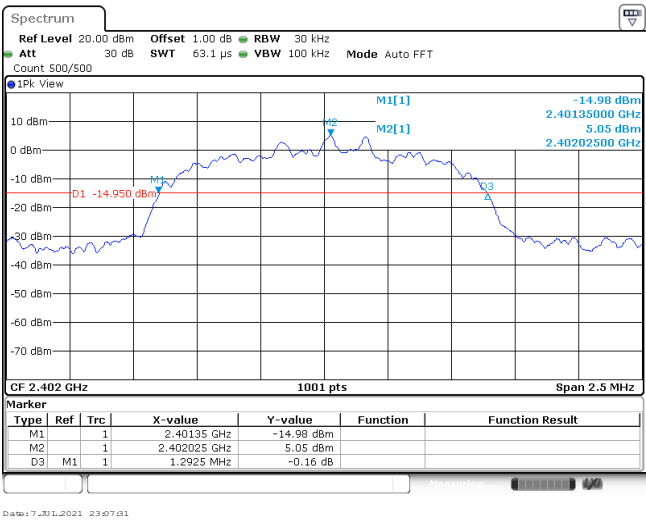




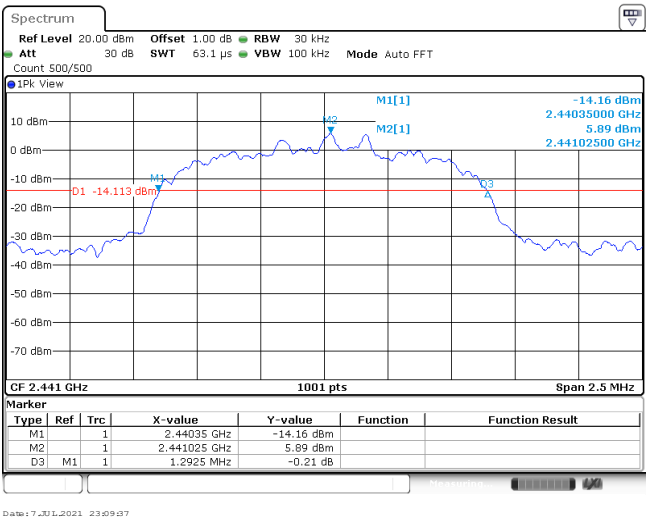
Modulation Type:

8DPSK

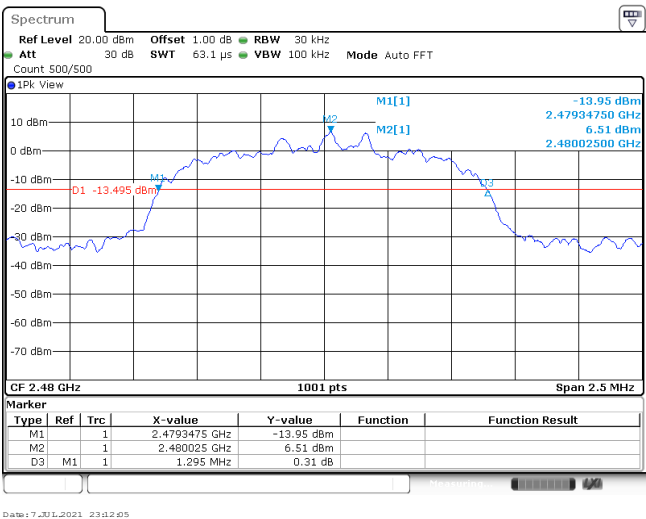
CH00



CH39

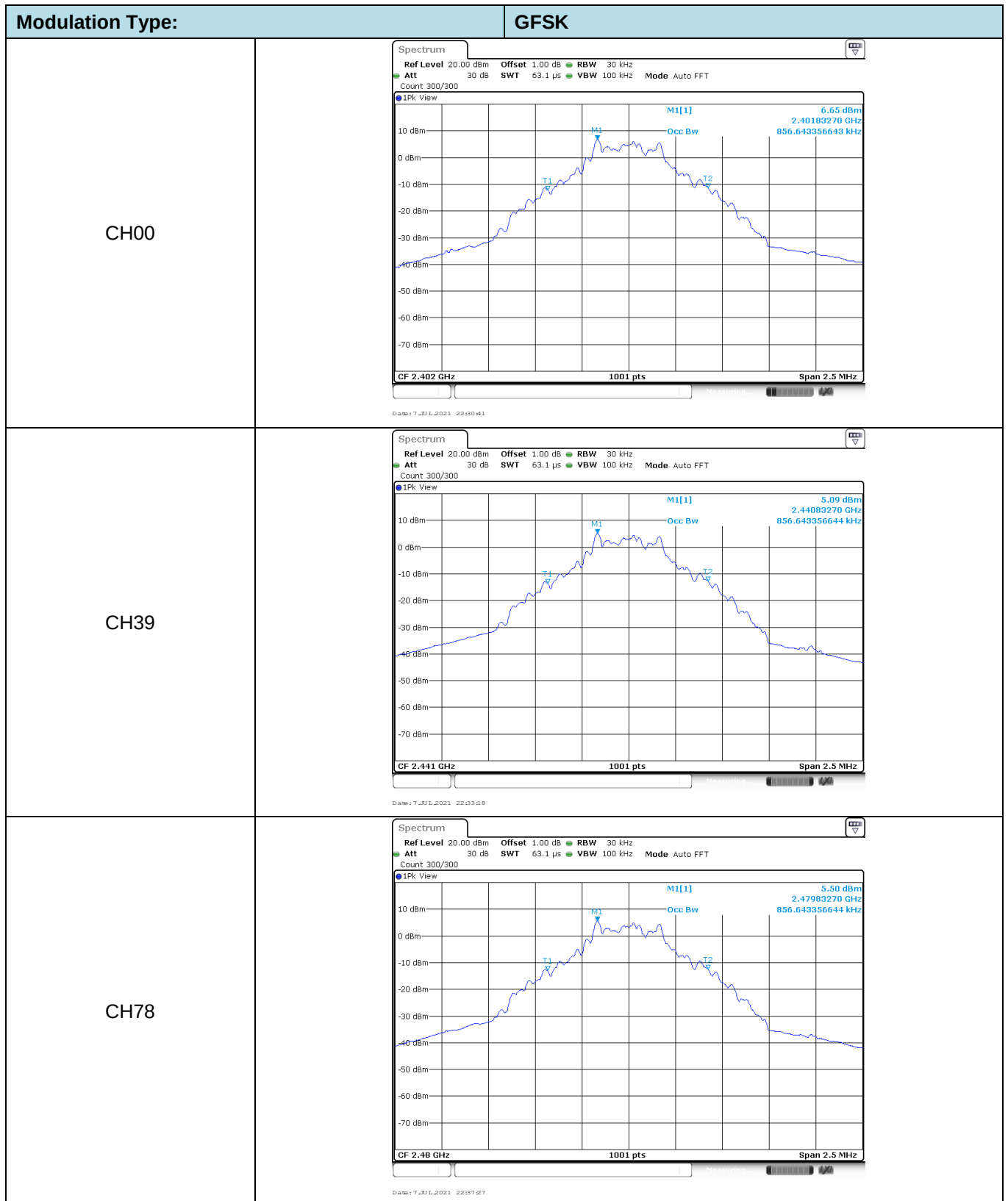


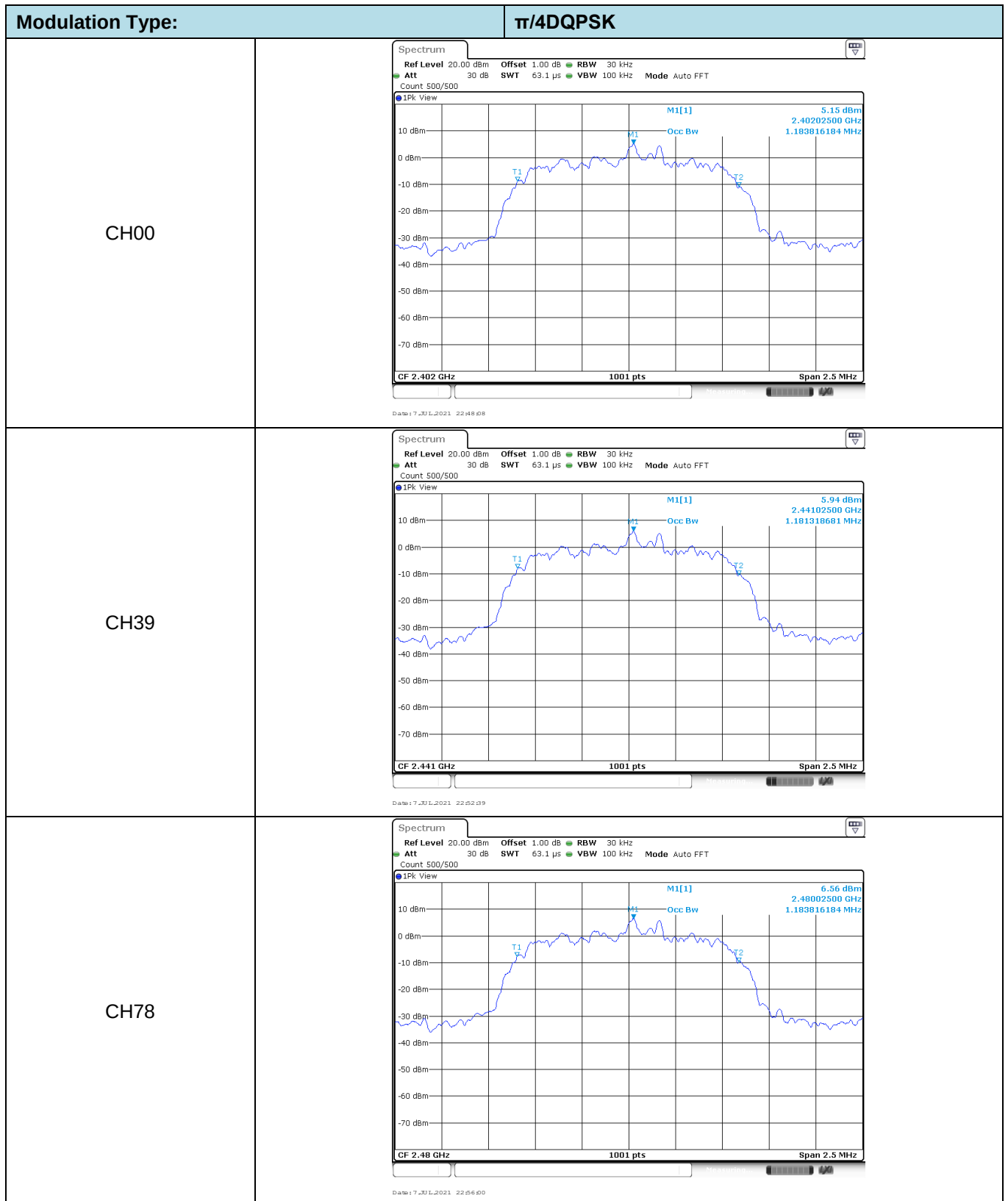
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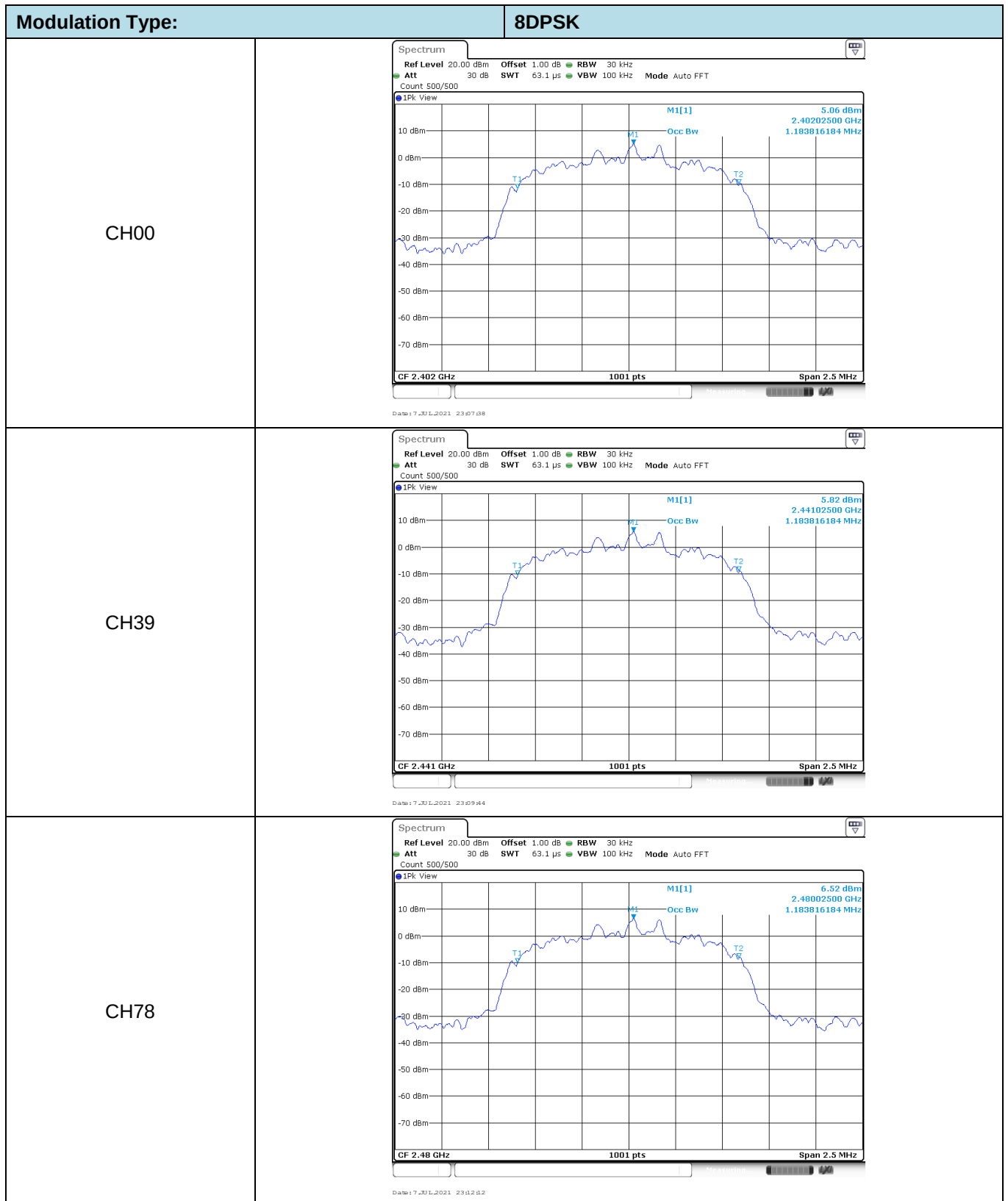


Appendix C: 99% Occupied Bandwidth

Modulation type	Channel	99% Occupied Bandwidth (MHz)	Limit (MHz)	Result
GFSK	00	0.86	-	Pass
	39	0.86		
	78	0.86		
$\pi/4$ DQPSK	00	1.18	-	Pass
	39	1.18		
	78	1.18		
8DPSK	00	1.18	-	Pass
	39	1.18		
	78	1.18		







Appendix D: Carrier Frequencies Separation

Modulation type	Channel	Carrier Frequencies Separation (MHz)	Limit (kHz) *	Result
GFSK	39	1.00	≥925.00	Pass
π/4DQPSK	39	1.00	≥860.00	Pass
8DPSK	39	1.00	≥863.33	Pass

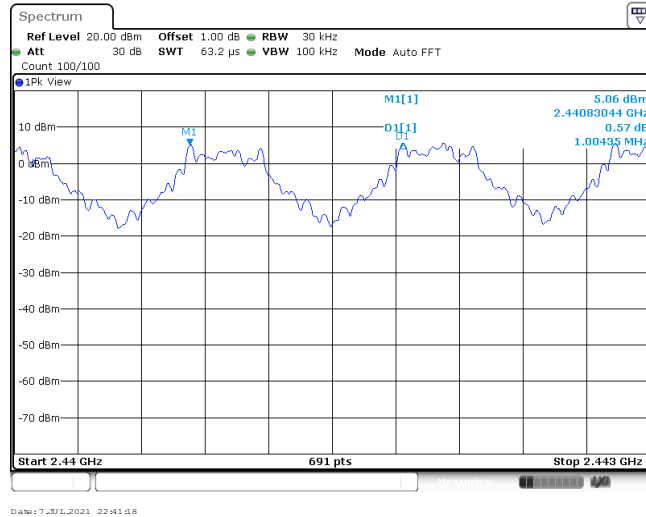
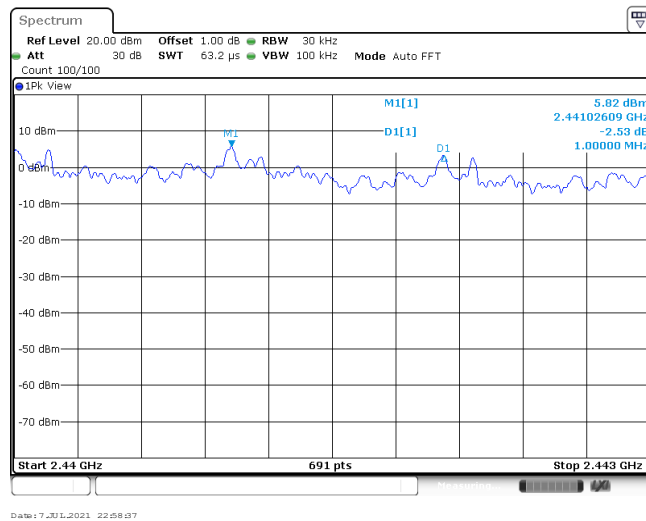
Note:

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

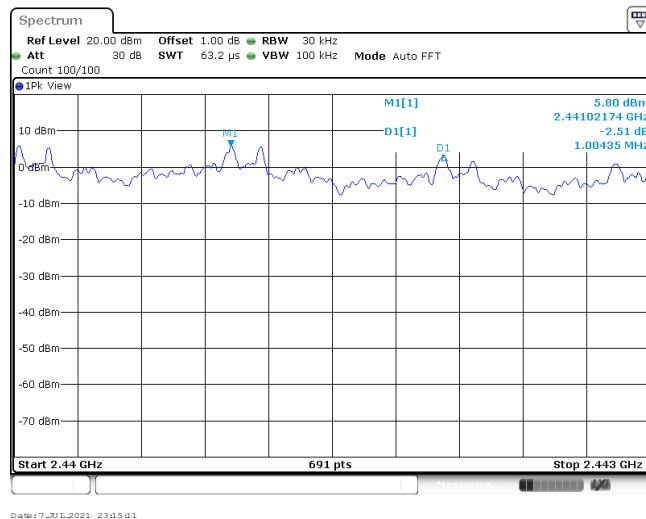
π/4DQPSK limit = 2/3 * The maximum 20 dB Bandwidth for π/4DQPSK modulation on the appendix B.

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

GFSK

 $\pi/4$ DQPSK

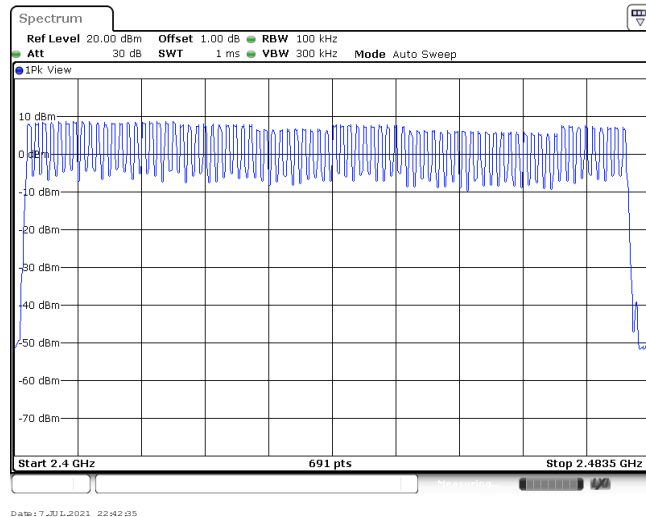
8DPSK



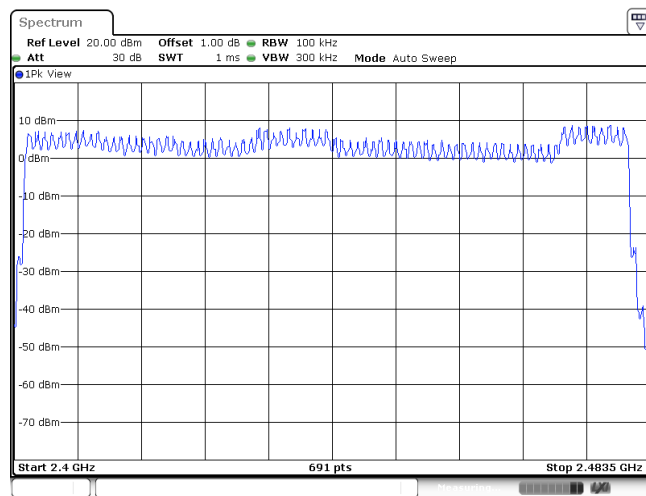
Appendix E: Hopping Channel Number

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

GFSK

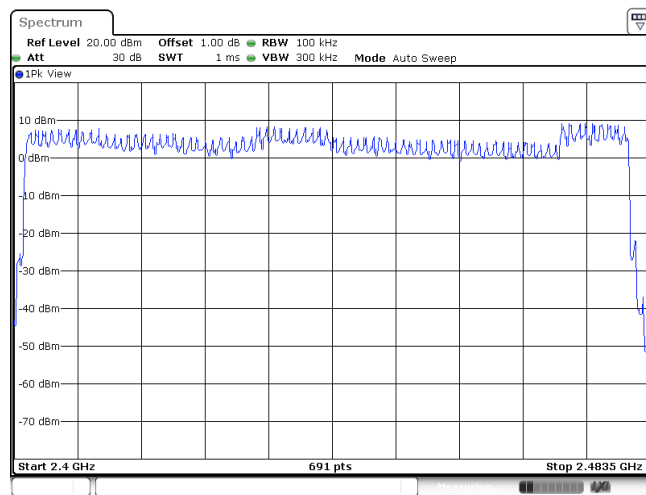


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 $\pi/4$ DQPSK

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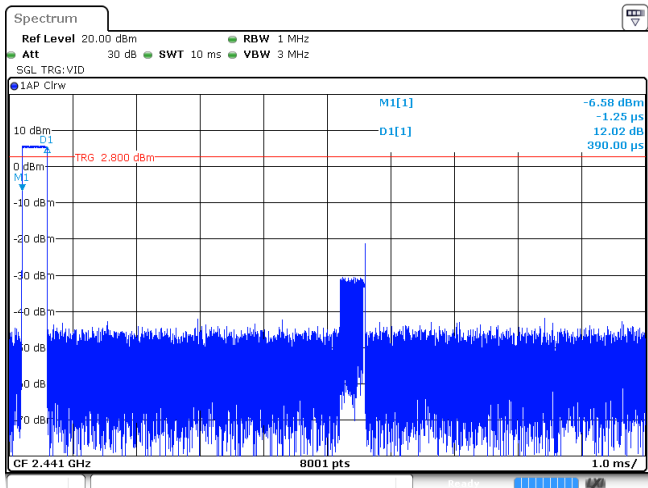
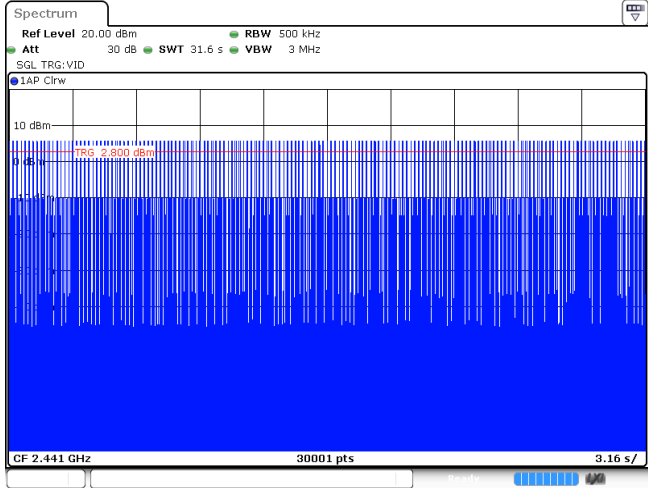
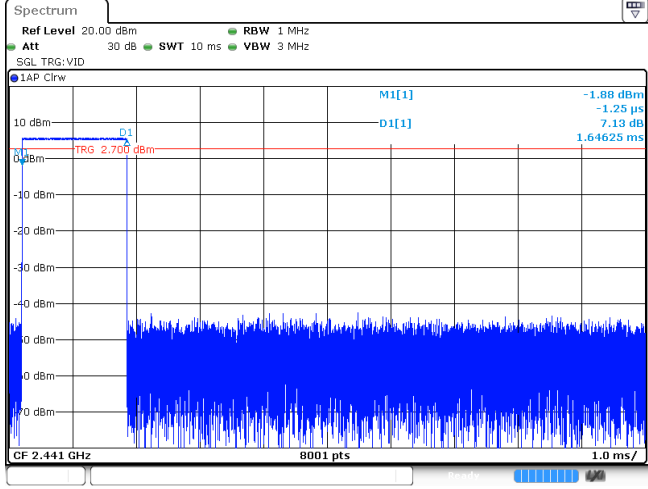
8DPSK



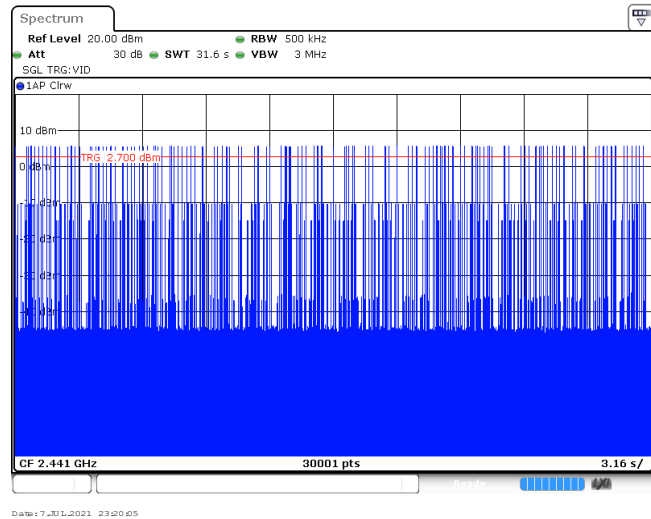
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Appendix F: Dwell Time

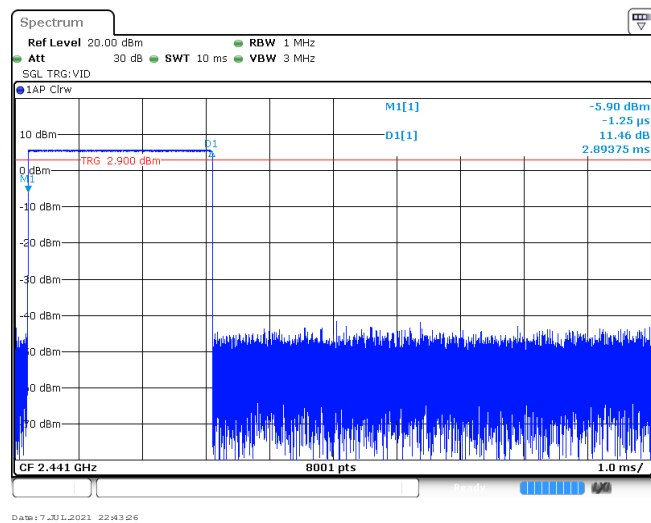
Modulation type	Packet	Burst Width [ms]	Total Hops[hop*ch]	Dwell time (Second)	Limit (Second)	Result
GFSK	DH1	0.39	320.00	0.13	≤ 0.40	Pass
	DH3	1.65	157.00	0.26		
	DH5	2.89	101.00	0.29		
$\pi/4$ DQPSK	2DH1	0.38	319.00	0.12	≤ 0.40	Pass
	2DH3	1.64	157.00	0.26		
	2DH5	2.88	104.00	0.30		
8DPSK	3DH1	0.38	320.00	0.12	≤ 0.40	Pass
	3DH3	1.63	157.00	0.26		
	3DH5	2.88	122.00	0.35		

Modulation Type: GFSK	
DH1 Burst width	 Spectrum Ref Level 20.00 dBm Att 30 dB RBW 1 MHz SWT 10 ms VBW 3 MHz SGL TRG:VID 1AP Clrw M1[1] -6.59 dBm D1[1] -1.25 μs TRG 2.800 dBm 12.02 dB 390.00 μs CF 2.441 GHz 8001 pts 1.0 ms/ Date: 7 JUL 2021 23:18:22
DH1 Burst number	 Spectrum Ref Level 20.00 dBm Att 30 dB RBW 500 kHz SWT 31.6 s VBW 3 MHz SGL TRG:VID 1AP Clrw TRG 2.800 dBm CF 2.441 GHz 30001 pts 3.16 s/ Date: 7 JUL 2021 23:18:54
DH3 Burst width	 Spectrum Ref Level 20.00 dBm Att 30 dB RBW 1 MHz SWT 10 ms VBW 3 MHz SGL TRG:VID 1AP Clrw M1[1] -1.88 dBm D1[1] -1.25 μs TRG 2.700 dBm 7.13 dB 1.64625 ms CF 2.441 GHz 8001 pts 1.0 ms/ Date: 7 JUL 2021 23:19:31

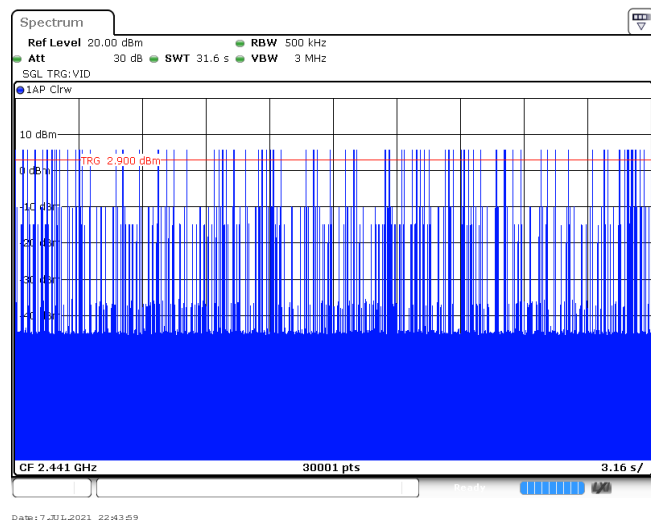
DH3
Burst number



DH5
Burst width



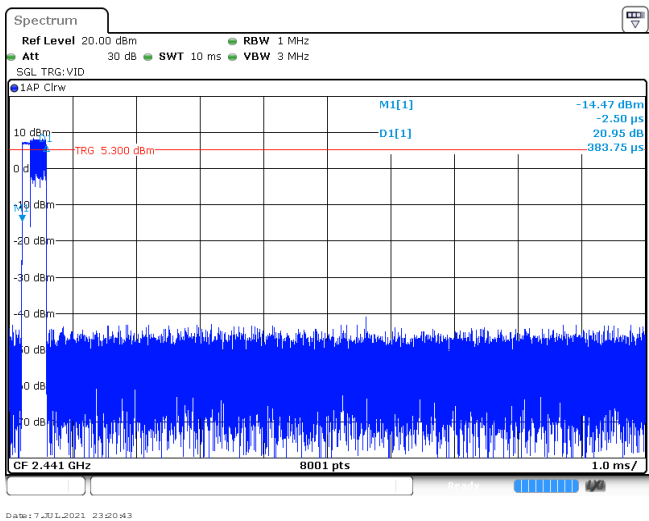
DH5
Burst number



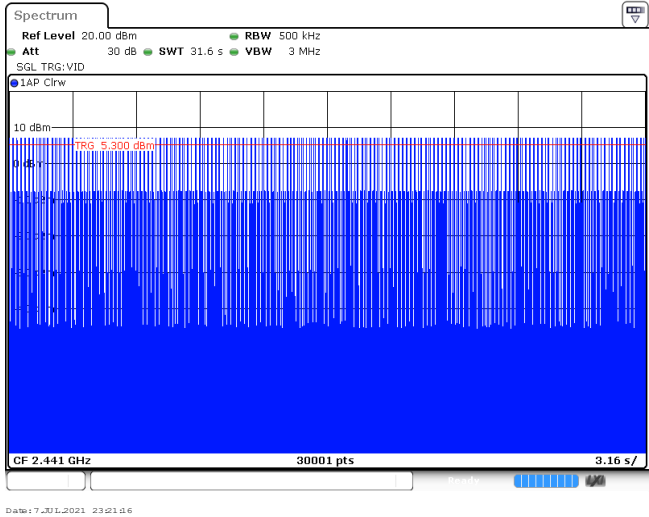
Modulation Type:

$\pi/4$ DQPSK

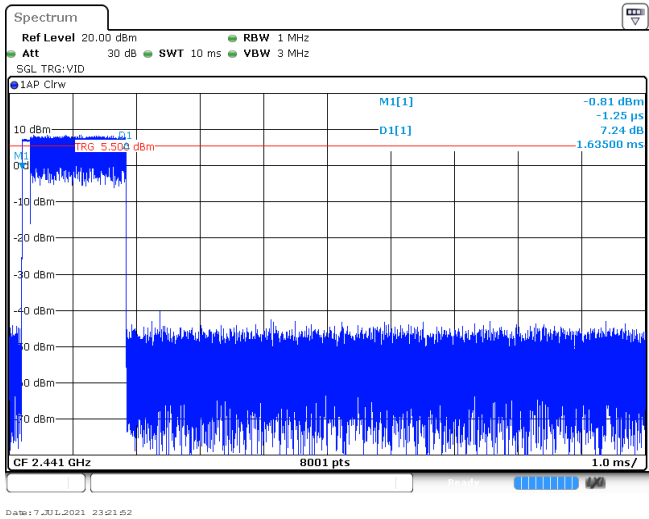
2DH1
Burst width



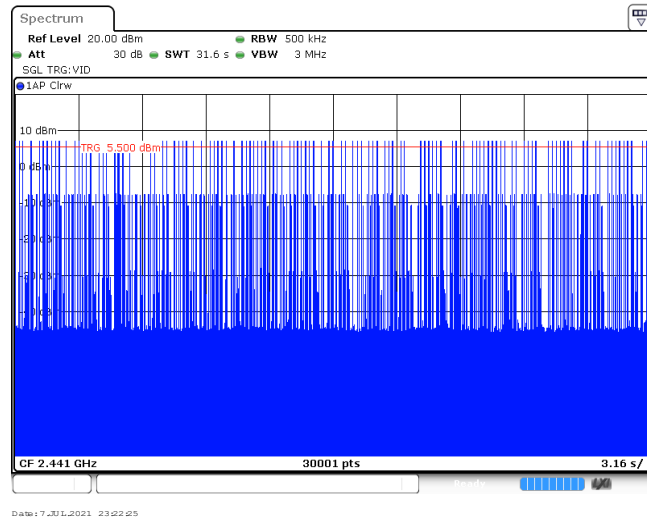
2DH1
Burst number



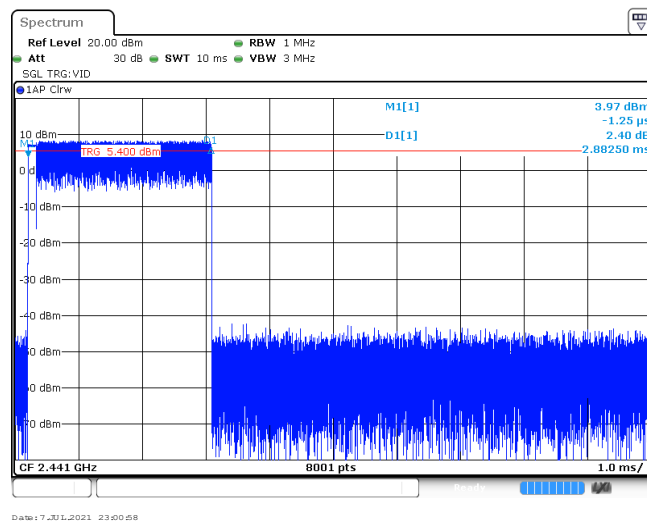
2DH3
Burst width



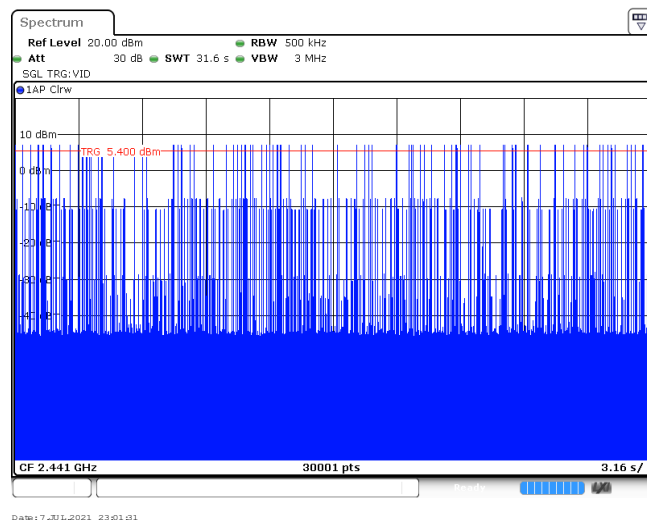
2DH3
Burst number

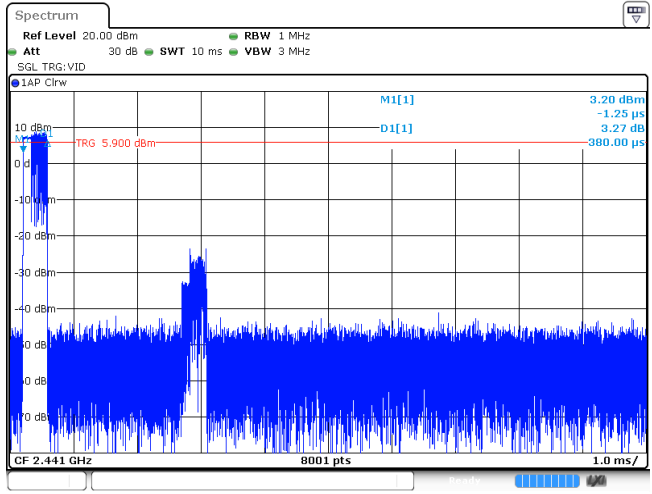
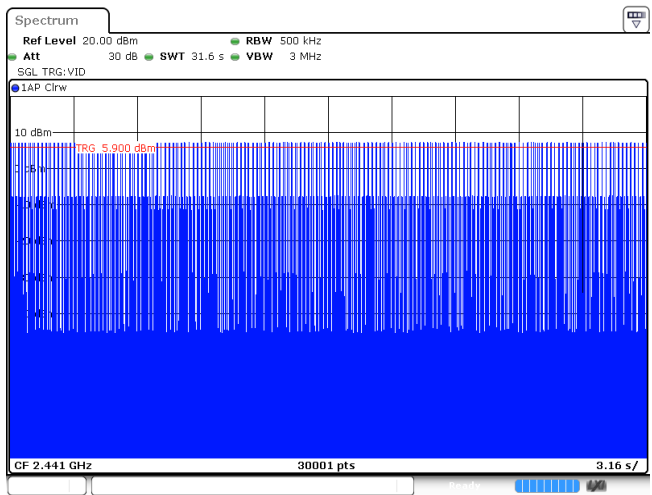
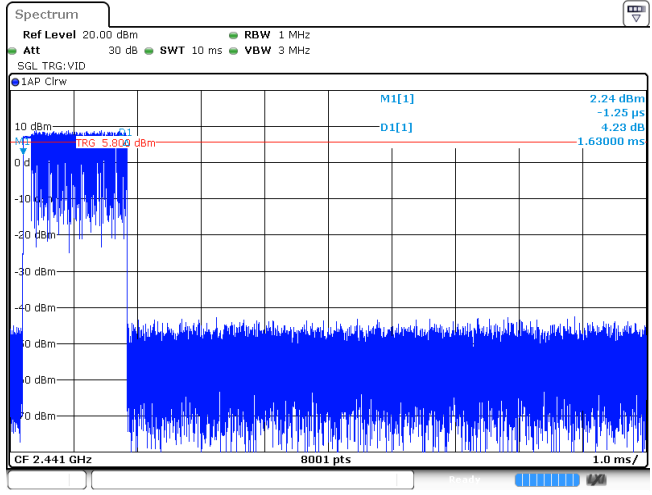


2DH5
Burst width

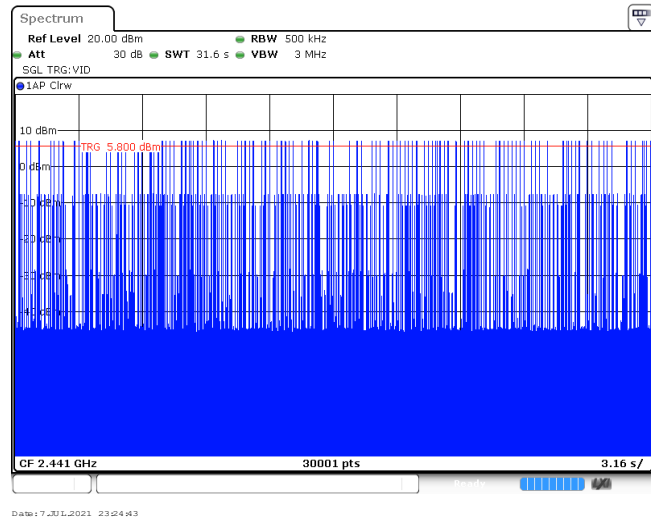


2DH5
Burst number

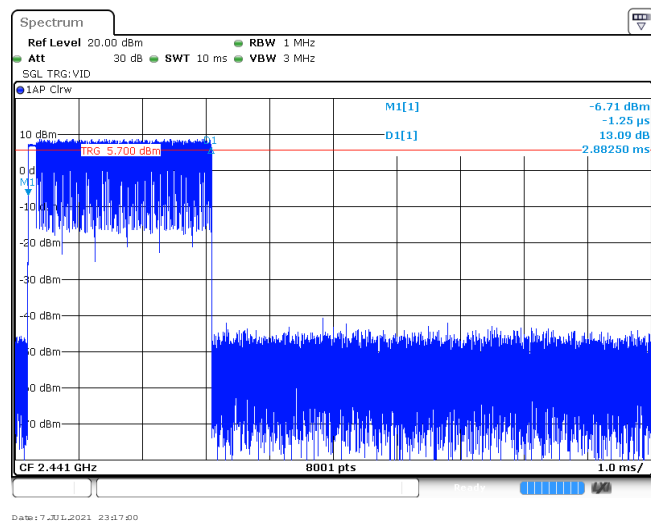


Modulation Type:	8DPSK
3DH1 Burst width	 The spectrum plot shows a signal at 2.441 GHz. The y-axis represents power in dBm, ranging from -40 to 10. The x-axis represents time in ms, ranging from 0 to 1.0. A red trigger line is set at 5.900 dBm. The plot shows a burst of signal at approximately 0.2 ms, reaching a peak of about 10 dBm. The signal is labeled M1[1] and D1[1]. Ref Level 20.00 dBm Att 30 dB RBW 1 MHz SWT 10 ms VBW 3 MHz SGL TRG:VID 1AP Clrw M1[1] 3.20 dBm D1[1] -1.25 μs TRG 5.900 dBm 3.27 dB 380.00 μs CF 2.441 GHz 8001 pts 1.0 ms/ Date: 7 JUL 2021 23:23:09
3DH1 Burst number	 The spectrum plot shows a signal at 2.441 GHz. The y-axis represents power in dBm, ranging from -40 to 10. The x-axis represents time in s, ranging from 0 to 3.16. A red trigger line is set at 5.900 dBm. The plot shows a continuous signal at approximately 0 dBm, with a burst of signal at approximately 0.2 s, reaching a peak of about 10 dBm. The signal is labeled M1[1] and D1[1]. Ref Level 20.00 dBm Att 30 dB RBW 500 kHz SWT 31.6 s VBW 3 MHz SGL TRG:VID 1AP Clrw M1[1] 3.20 dBm D1[1] -1.25 μs TRG 5.900 dBm 3.27 dB 380.00 μs CF 2.441 GHz 30001 pts 3.16 s/ Date: 7 JUL 2021 23:23:42
3DH3 Burst width	 The spectrum plot shows a signal at 2.441 GHz. The y-axis represents power in dBm, ranging from -40 to 10. The x-axis represents time in ms, ranging from 0 to 1.0. A red trigger line is set at 5.800 dBm. The plot shows a burst of signal at approximately 0.2 ms, reaching a peak of about 10 dBm. The signal is labeled M1[1] and D1[1]. Ref Level 20.00 dBm Att 30 dB RBW 1 MHz SWT 10 ms VBW 3 MHz SGL TRG:VID 1AP Clrw M1[1] 2.24 dBm D1[1] -1.25 μs TRG 5.800 dBm 4.23 dB 1.63000 ms CF 2.441 GHz 8001 pts 1.0 ms/ Date: 7 JUL 2021 23:24:11

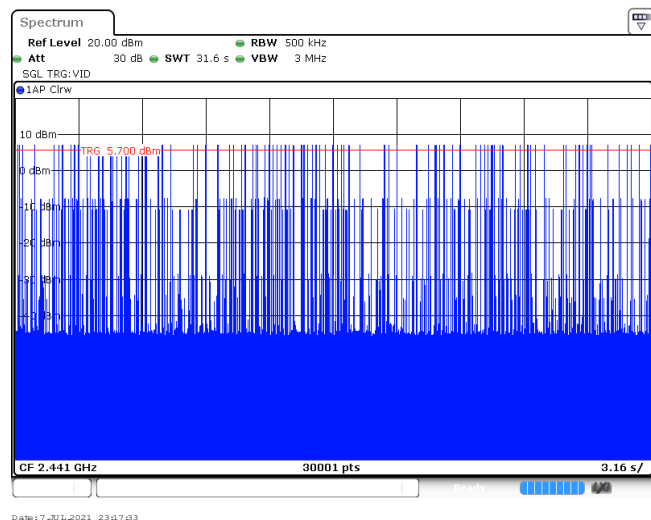
3DH3
Burst number



3DH5
Burst width



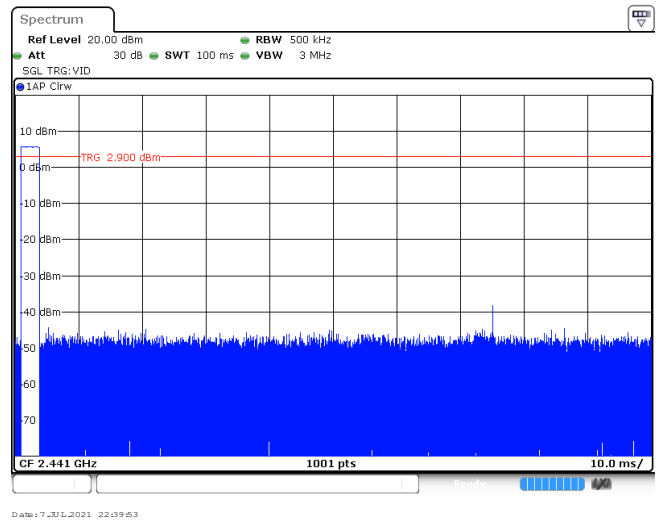
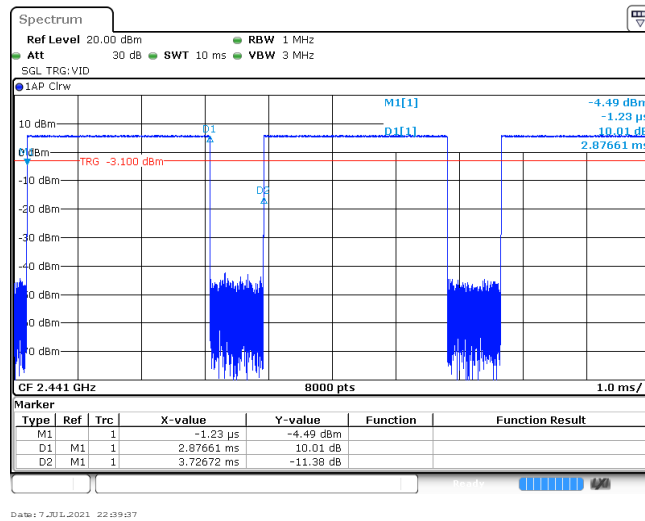
3DH5
Burst number



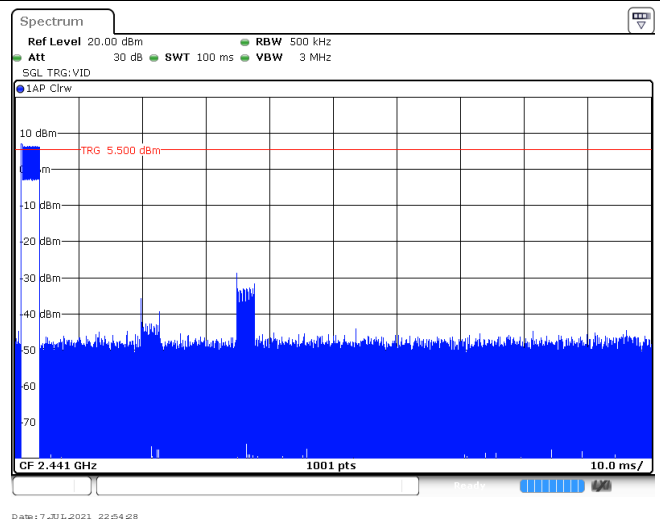
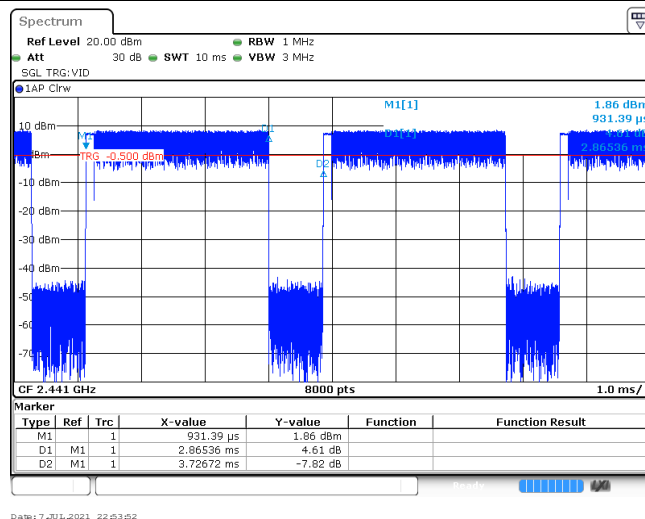
Appendix G: Duty Cycle Correction Factor (DCCF)

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	2.88	100	1.00	-30.81
$\pi/4$ DQPSK	2441	2.87	100	1.00	-30.84
8DPSK	2441	2.86	100	1.00	-30.87

GFSK

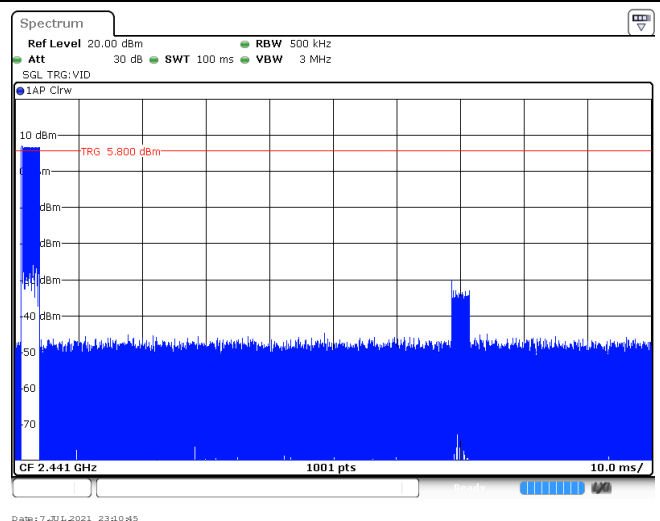
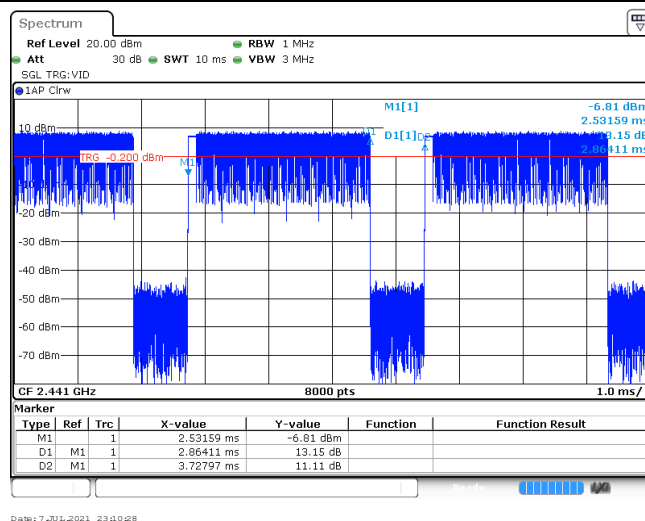
T_{on} time for single burst

Burst Quantity

 $\pi/4$ DQPSKT_{on} time for single burst

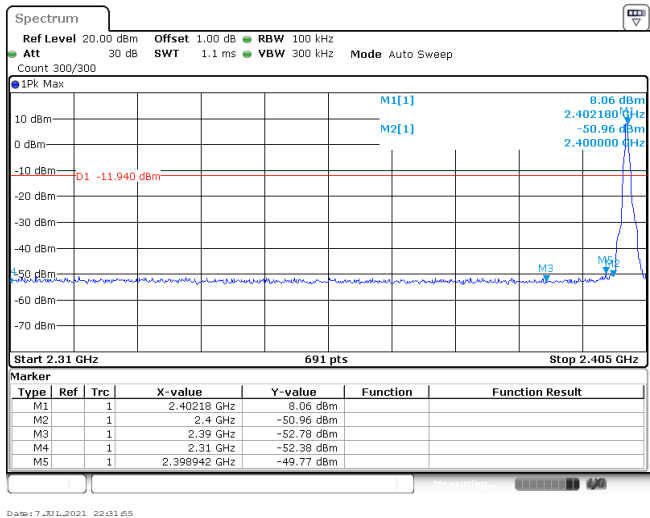
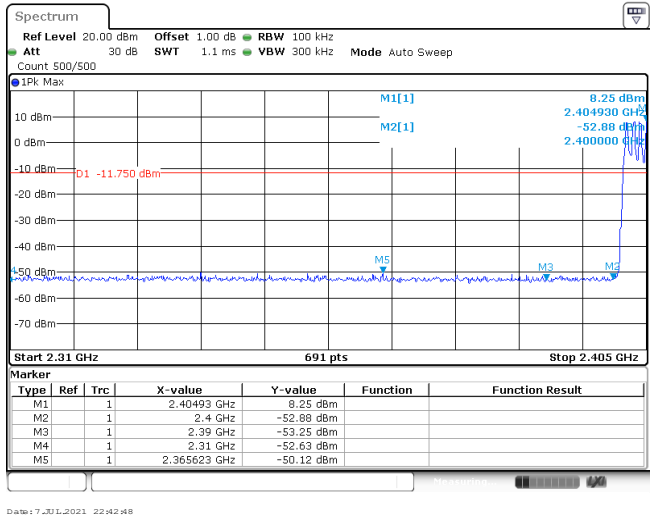
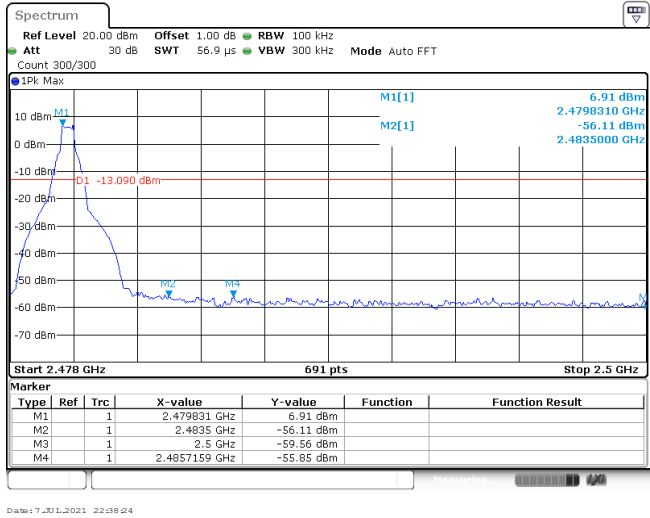
Burst Quantity

8DPSK

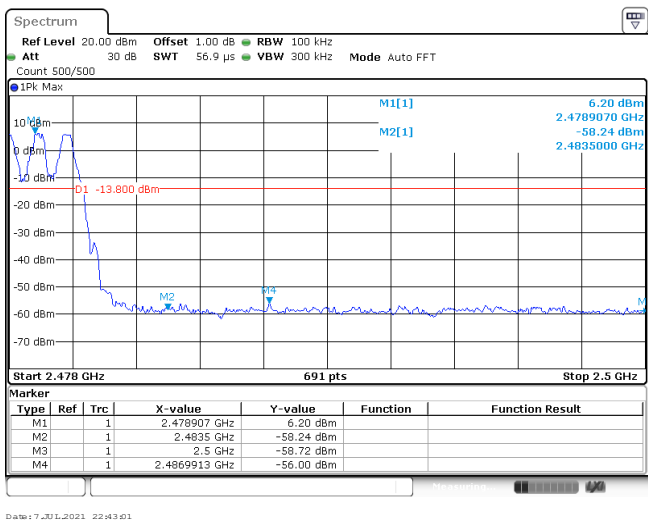
T_{on} time for single burst

Burst Quantity

Appendix H: Band edge and Spurious Emissions (conducted)

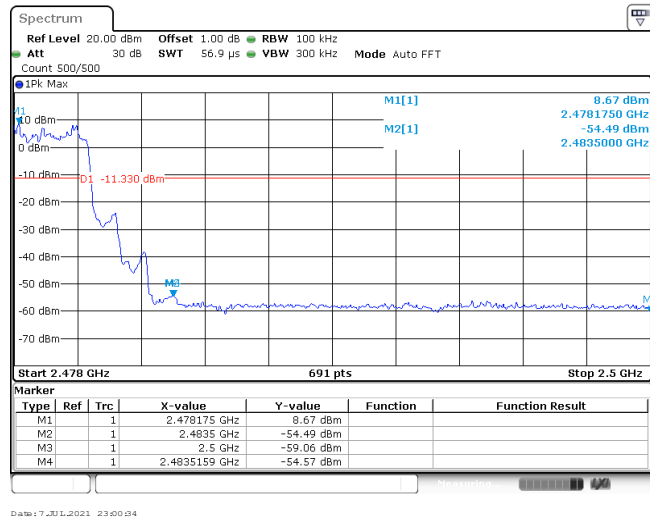
Test Item:	Band edge	Modulation type:	GFSK																																										
CH00 No hopping mode	 Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 1.1 ms VBW 300 kHz Mode Auto Sweep Count 300/300 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] 8.06 dBm 2.402180 GHz M2[1] -50.96 dBm 2.400000 GHz D1 -11.940 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>2.40218 GHz</td><td>8.06 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-50.96 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-52.78 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-52.38 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.398942 GHz</td><td>-49.77 dBm</td><td></td><td></td></tr></table> Date: 7 JUL 2021 22:31:55	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.40218 GHz	8.06 dBm			M2	1		2.4 GHz	-50.96 dBm			M3	1		2.39 GHz	-52.78 dBm			M4	1		2.31 GHz	-52.38 dBm			M5	1		2.398942 GHz	-49.77 dBm				
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1		2.40218 GHz	8.06 dBm																																									
M2	1		2.4 GHz	-50.96 dBm																																									
M3	1		2.39 GHz	-52.78 dBm																																									
M4	1		2.31 GHz	-52.38 dBm																																									
M5	1		2.398942 GHz	-49.77 dBm																																									
CH00 Hopping mode	 Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 1.1 ms VBW 300 kHz Mode Auto Sweep Count 500/500 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] 8.25 dBm 2.404930 GHz M2[1] -52.88 dBm 2.400000 GHz D1 -11.750 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>2.40493 GHz</td><td>8.25 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-52.88 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-53.25 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-52.63 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.365623 GHz</td><td>-50.12 dBm</td><td></td><td></td></tr></table> Date: 7 JUL 2021 22:42:48	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.40493 GHz	8.25 dBm			M2	1		2.4 GHz	-52.88 dBm			M3	1		2.39 GHz	-53.25 dBm			M4	1		2.31 GHz	-52.63 dBm			M5	1		2.365623 GHz	-50.12 dBm				
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1		2.40493 GHz	8.25 dBm																																									
M2	1		2.4 GHz	-52.88 dBm																																									
M3	1		2.39 GHz	-53.25 dBm																																									
M4	1		2.31 GHz	-52.63 dBm																																									
M5	1		2.365623 GHz	-50.12 dBm																																									
CH78 No hopping mode	 Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 56.9 µs VBW 300 kHz Mode Auto FFT Count 300/300 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] 6.91 dBm 2.4798310 GHz M2[1] -56.11 dBm 2.4835000 GHz D1 -13.090 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>6.91 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-56.11 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-59.56 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.4857159 GHz</td><td>-55.85 dBm</td><td></td><td></td></tr></table> Date: 7 JUL 2021 22:38:24	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.479831 GHz	6.91 dBm			M2	1		2.4835 GHz	-56.11 dBm			M3	1		2.5 GHz	-59.56 dBm			M4	1		2.4857159 GHz	-55.85 dBm											
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1		2.479831 GHz	6.91 dBm																																									
M2	1		2.4835 GHz	-56.11 dBm																																									
M3	1		2.5 GHz	-59.56 dBm																																									
M4	1		2.4857159 GHz	-55.85 dBm																																									

CH78
Hopping mode



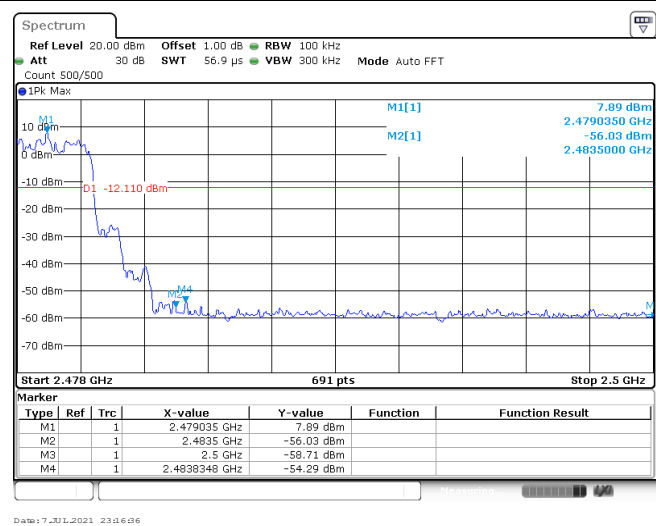
Test Item:	Band edge	Modulation type:	$\pi/4$ DQPSK																																										
CH00 No hopping mode	Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 1.1 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M2[1] M3 M4 M5 6.84 dBm 2.402180 GHz -43.02 dBm 2.400000 GHz -52.14 dBm -51.76 dBm -40.08 dBm D1 -13.160 dBm Start 2.31 GHz 691 pts Stop 2.405 GHz Marker <table><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>6.84 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-43.02 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-52.14 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-51.76 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.39963 GHz</td><td>-40.08 dBm</td><td></td><td></td></tr></tbody></table> Date: 7 JUL 2021 22:48:54			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.40218 GHz	6.84 dBm			M2	1		2.4 GHz	-43.02 dBm			M3	1		2.39 GHz	-52.14 dBm			M4	1		2.31 GHz	-51.76 dBm			M5	1		2.39963 GHz	-40.08 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1		2.40218 GHz	6.84 dBm																																									
M2	1		2.4 GHz	-43.02 dBm																																									
M3	1		2.39 GHz	-52.14 dBm																																									
M4	1		2.31 GHz	-51.76 dBm																																									
M5	1		2.39963 GHz	-40.08 dBm																																									
CH00 Hopping mode	Spectrum Ref Level 20.00 dBm Offset 1.00 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 6.01 dBm 2.404930 GHz -44.98 dBm 2.400000 GHz -52.80 dBm -51.88 dBm -43.41 dBm D1 -13.990 dBm Start 2.31 GHz 691 pts Stop 2.405 GHz Marker <table><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>2.40493 GHz</td><td>6.01 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-44.98 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-52.80 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-51.88 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399768 GHz</td><td>-43.41 dBm</td><td></td><td></td></tr></tbody></table> Date: 7 JUL 2021 22:59:59			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.40493 GHz	6.01 dBm			M2	1		2.4 GHz	-44.98 dBm			M3	1		2.39 GHz	-52.80 dBm			M4	1		2.31 GHz	-51.88 dBm			M5	1		2.399768 GHz	-43.41 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1		2.40493 GHz	6.01 dBm																																									
M2	1		2.4 GHz	-44.98 dBm																																									
M3	1		2.39 GHz	-52.80 dBm																																									
M4	1		2.31 GHz	-51.88 dBm																																									
M5	1		2.399768 GHz	-43.41 dBm																																									
CH78 No hopping mode	Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 56.9 μs VBW 300 kHz Mode Auto FFT 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 8.40 dBm 2.4801490 GHz -53.01 dBm 2.4835000 GHz -59.24 dBm -53.32 dBm D1 -11.600 dBm Start 2.478 GHz 691 pts Stop 2.5 GHz Marker <table><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>2.480149 GHz</td><td>8.40 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-53.01 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-59.24 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.4835159 GHz</td><td>-53.32 dBm</td><td></td><td></td></tr></tbody></table> Date: 7 JUL 2021 22:56:55			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.480149 GHz	8.40 dBm			M2	1		2.4835 GHz	-53.01 dBm			M3	1		2.5 GHz	-59.24 dBm			M4	1		2.4835159 GHz	-53.32 dBm									
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
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M2	1		2.4835 GHz	-53.01 dBm																																									
M3	1		2.5 GHz	-59.24 dBm																																									
M4	1		2.4835159 GHz	-53.32 dBm																																									

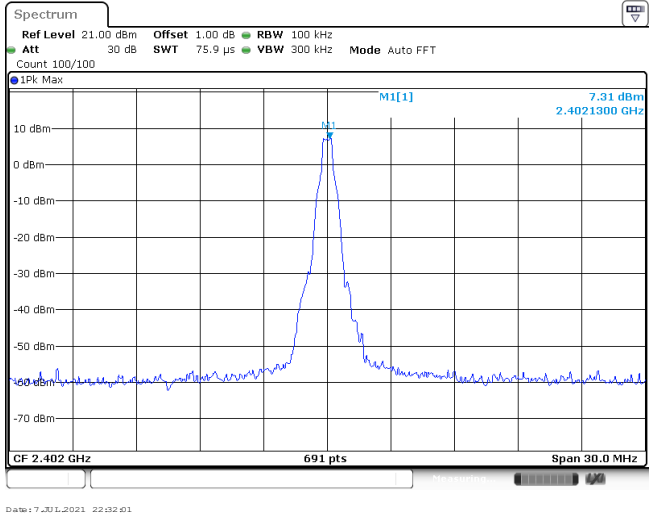
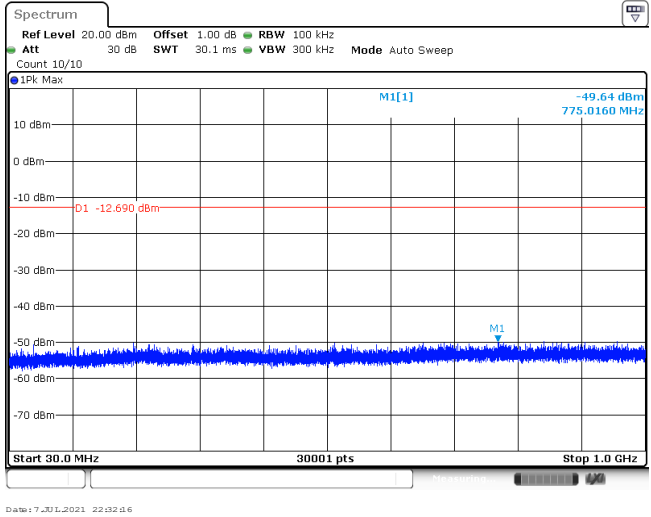
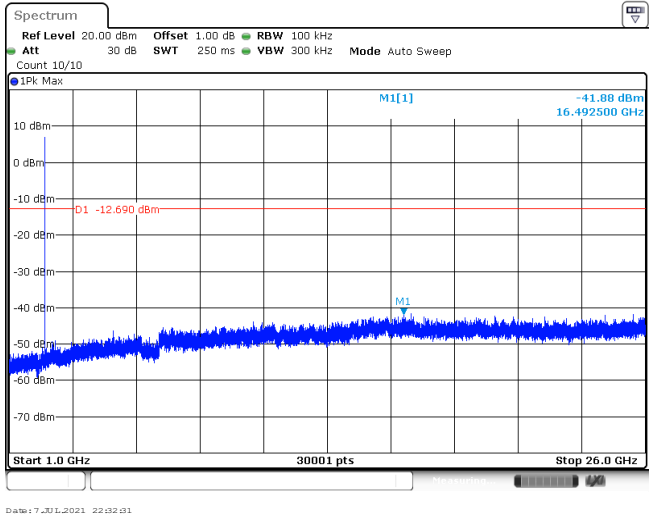
CH78
Hopping mode



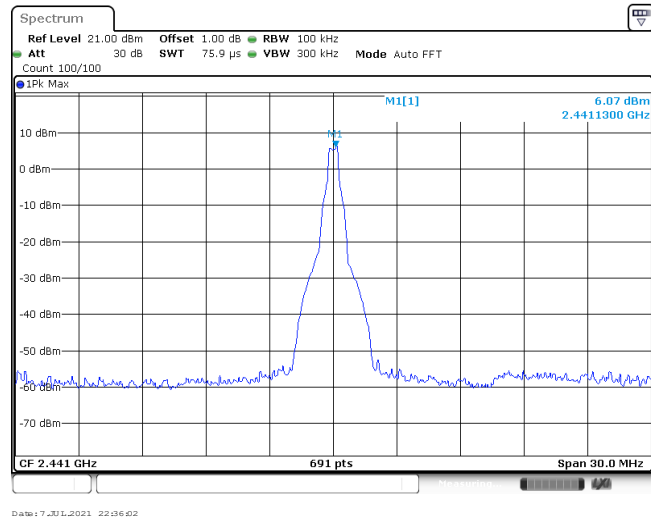
Test Item:	Band edge	Modulation type:	8DPSK																																										
CH00 No hopping mode	Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 1.1 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M2[1] M3 M4 M5 7.09 dBm 2.402180 GHz -43.84 dBm 2.400000 GHz -51.80 dBm -52.45 dBm -39.77 dBm D1 -12.910 dBm Start 2.31 GHz 691 pts Stop 2.405 GHz Marker <table><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>7.09 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-43.84 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-51.80 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-52.45 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.39963 GHz</td><td>-39.77 dBm</td><td></td><td></td></tr></tbody></table> Date: 7 JUL 2021 23:08:26			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.40218 GHz	7.09 dBm			M2	1		2.4 GHz	-43.84 dBm			M3	1		2.39 GHz	-51.80 dBm			M4	1		2.31 GHz	-52.45 dBm			M5	1		2.39963 GHz	-39.77 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1		2.40218 GHz	7.09 dBm																																									
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CH00 Hopping mode	Spectrum Ref Level 20.00 dBm Offset 1.00 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 7.42 dBm 2.404240 GHz -45.37 dBm 2.400000 GHz -52.55 dBm -52.82 dBm -42.90 dBm D1 -12.580 dBm Start 2.31 GHz 691 pts Stop 2.405 GHz Marker <table><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>7.42 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-45.37 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-52.55 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-52.82 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399906 GHz</td><td>-42.90 dBm</td><td></td><td></td></tr></tbody></table> Date: 7 JUL 2021 23:16:20			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.40424 GHz	7.42 dBm			M2	1		2.4 GHz	-45.37 dBm			M3	1		2.39 GHz	-52.55 dBm			M4	1		2.31 GHz	-52.82 dBm			M5	1		2.399906 GHz	-42.90 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1		2.40424 GHz	7.42 dBm																																									
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M4	1		2.31 GHz	-52.82 dBm																																									
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CH78 No hopping mode	Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 56.9 μs VBW 300 kHz Mode Auto FFT Count 500/500 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1 M2[1] M3 M4 M5 8.60 dBm 2.4798310 GHz -54.07 dBm 2.4835000 GHz -59.10 dBm -52.91 dBm D1 -11.400 dBm Start 2.478 GHz 691 pts Stop 2.5 GHz Marker <table><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>2.479831 GHz</td><td>8.60 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-54.07 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-59.10 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.483771 GHz</td><td>-52.91 dBm</td><td></td><td></td></tr></tbody></table> Date: 7 JUL 2021 23:12:54			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.479831 GHz	8.60 dBm			M2	1		2.4835 GHz	-54.07 dBm			M3	1		2.5 GHz	-59.10 dBm			M4	1		2.483771 GHz	-52.91 dBm									
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
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CH78
Hoppig mode

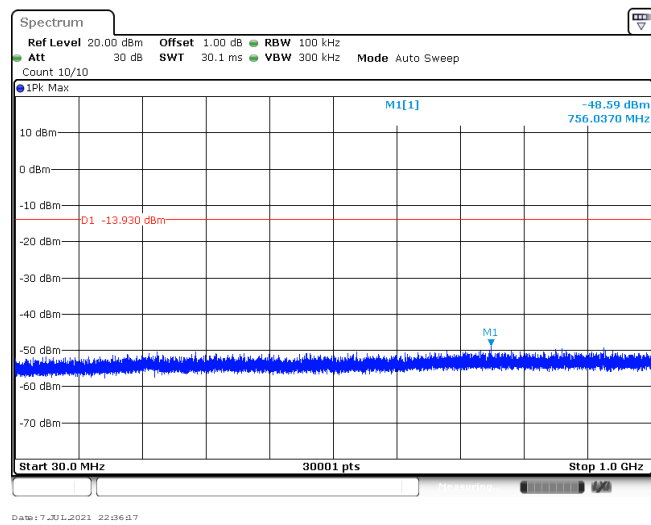


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CH00 1GHz~26GHz			

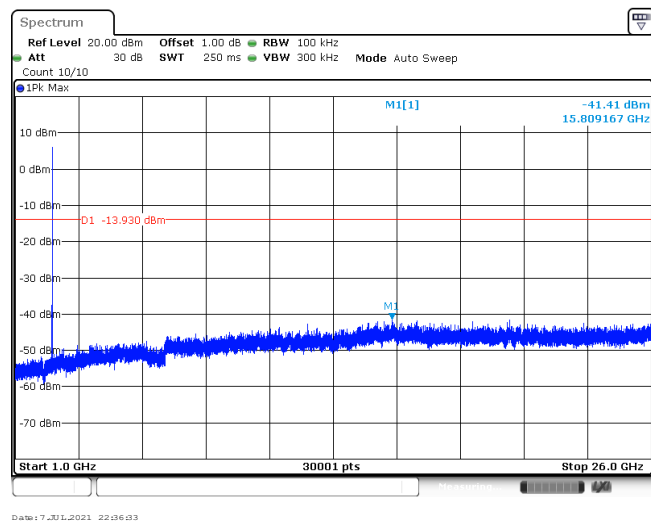
CH39
Reference level



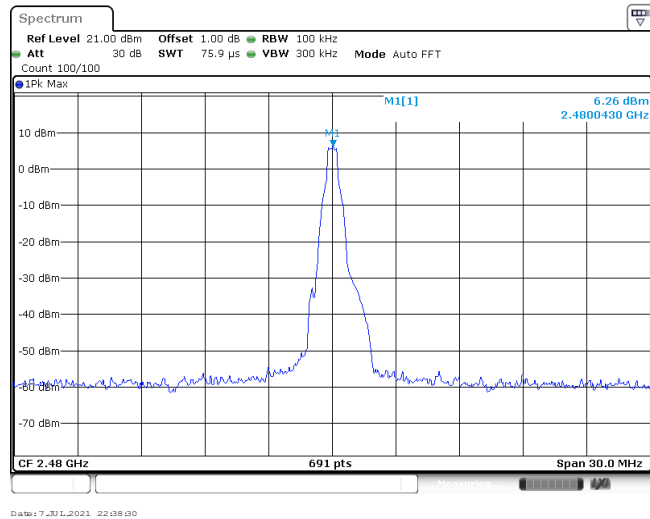
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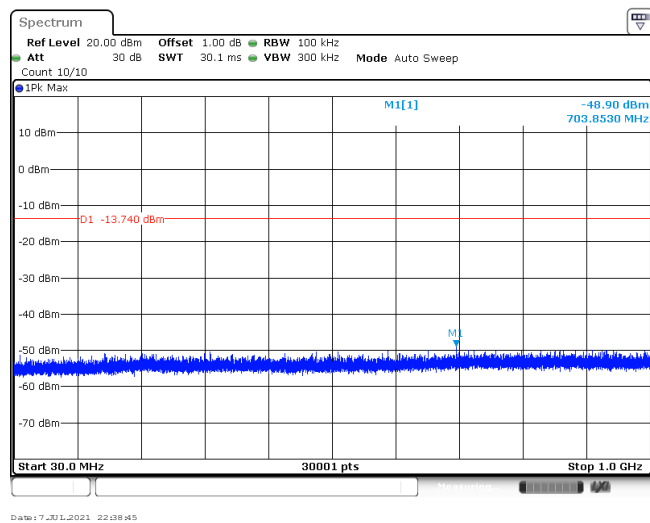
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1GHz~26GHz



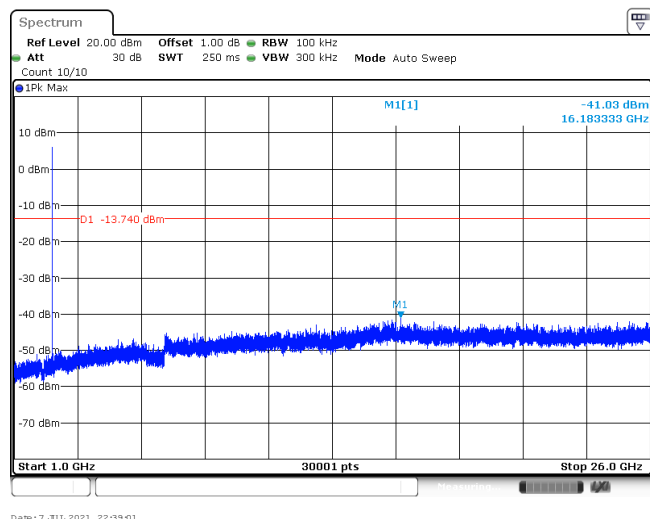
CH78
Reference level

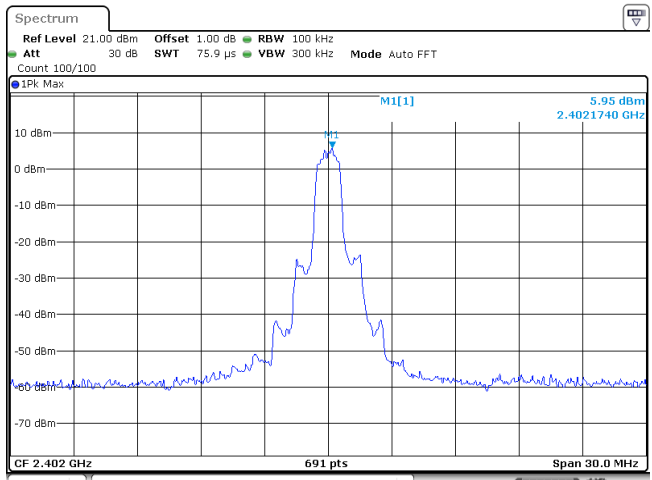
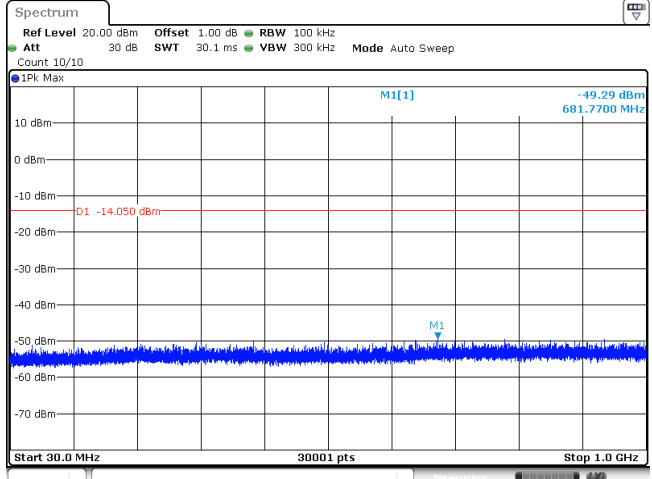
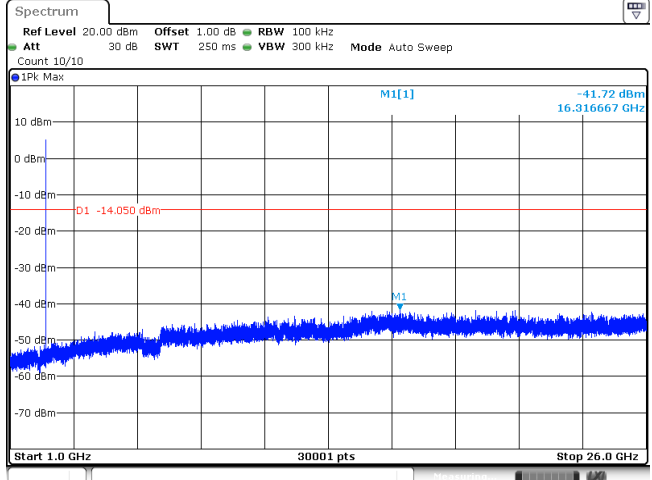


CH78
30MHz~1000MHz

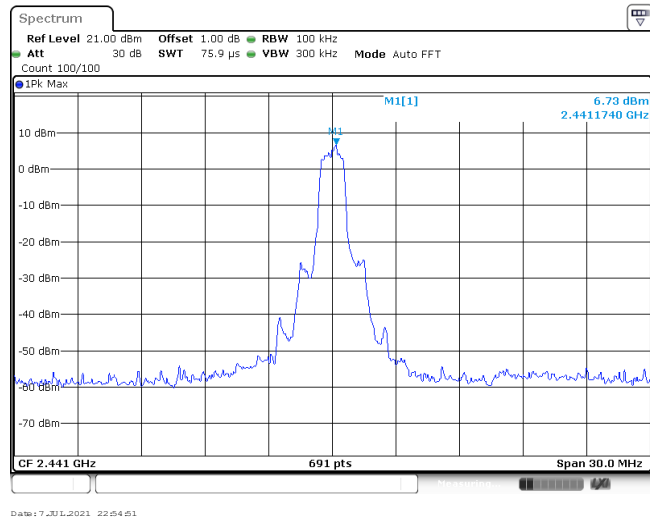


CH78
1GHz~26GHz

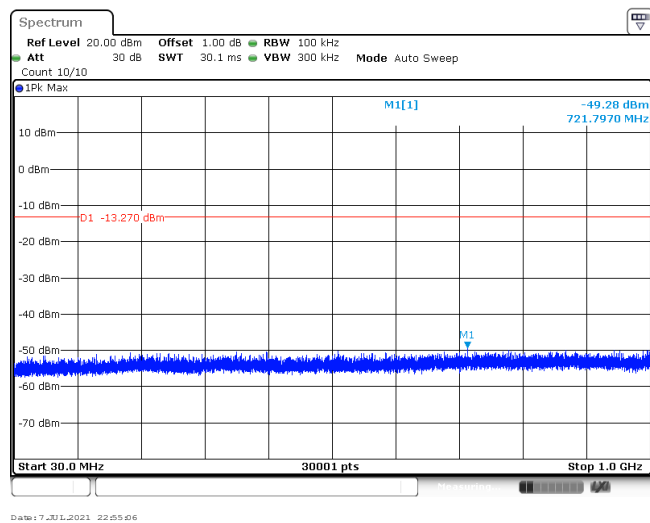


Test Item:	Spurious Emission	Modulation type:	$\pi/4$ DQPSK
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CH00 1GHz~26GHz			

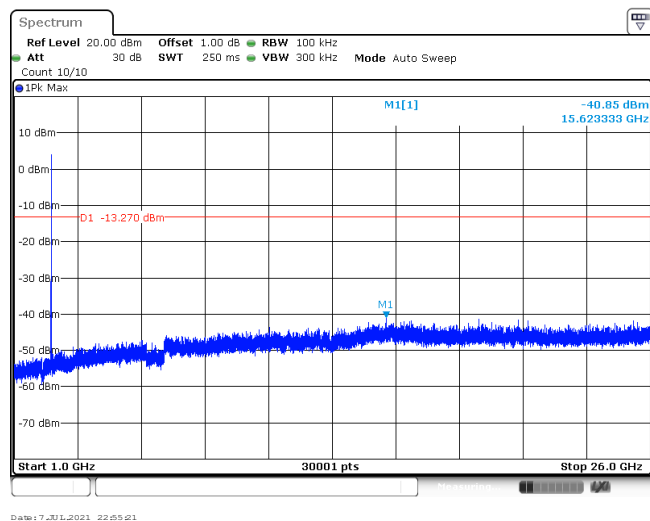
CH39
Reference level



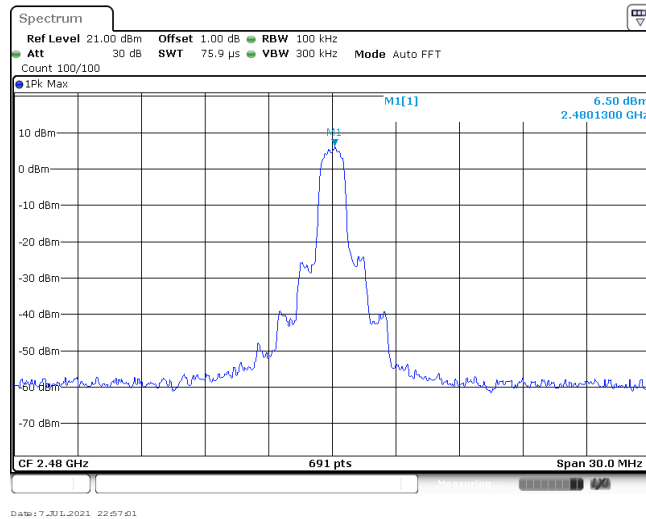
CH39
30MHz~1000MHz



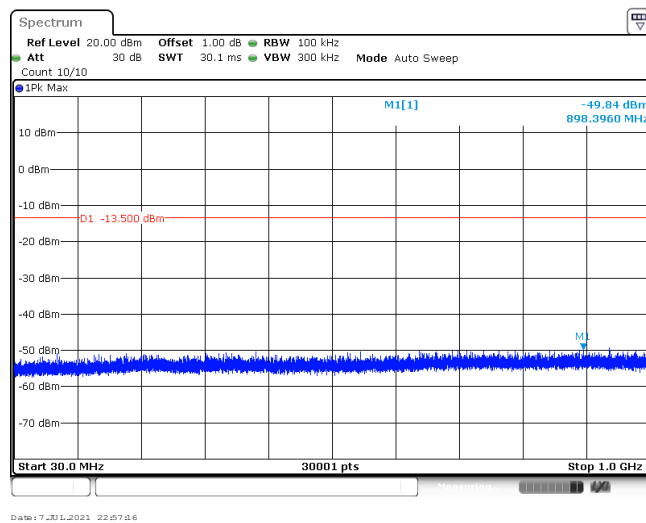
CH39
1GHz~26GHz



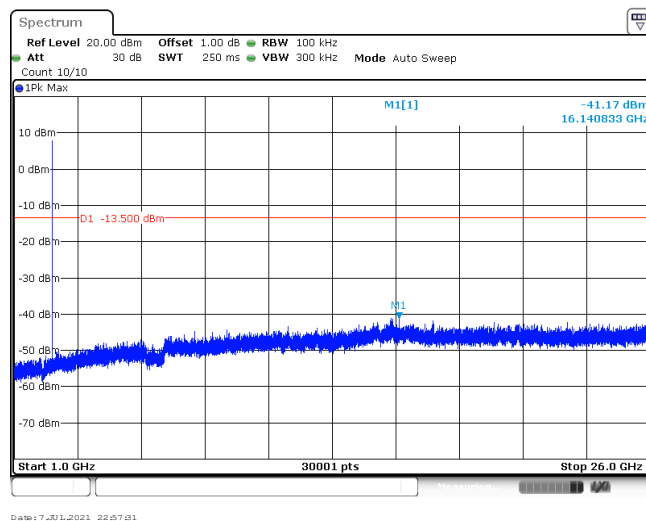
CH78
Reference level

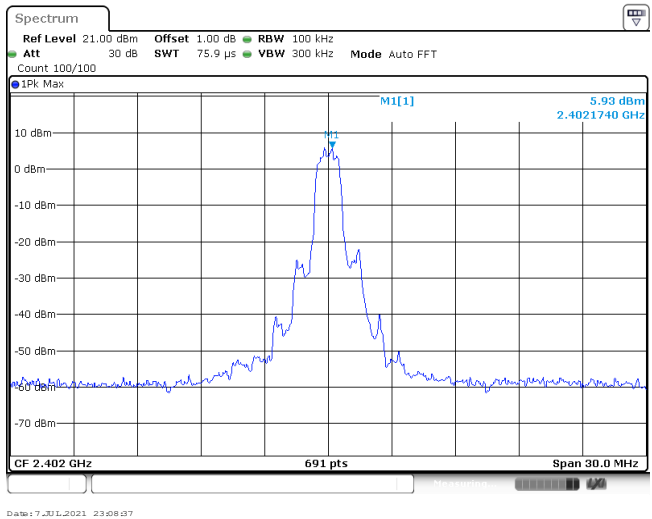
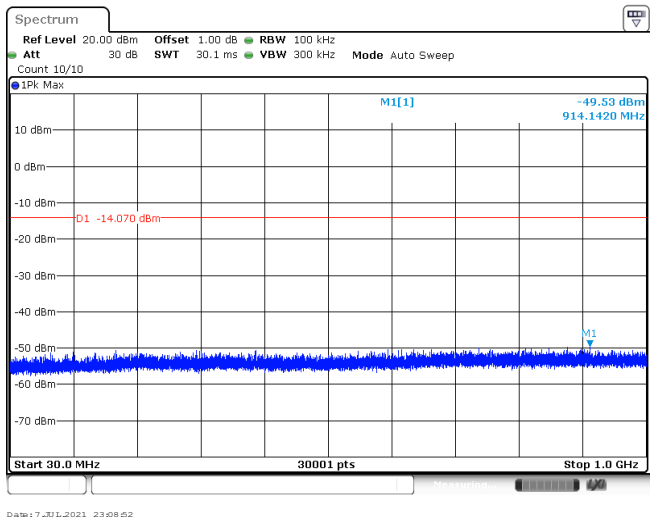
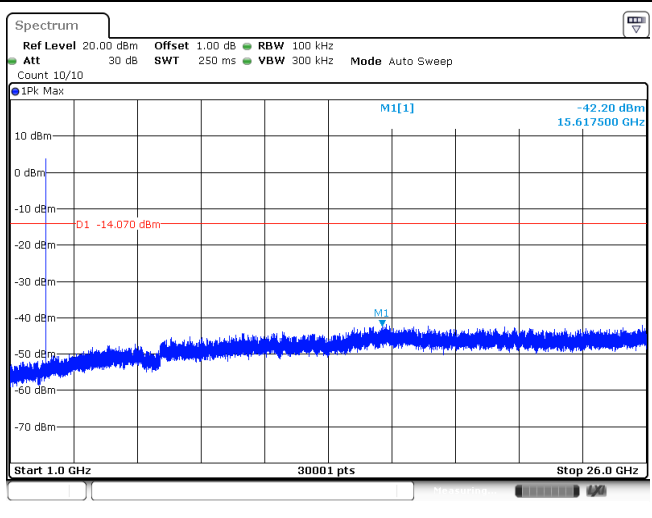


CH78
30MHz~1000MHz

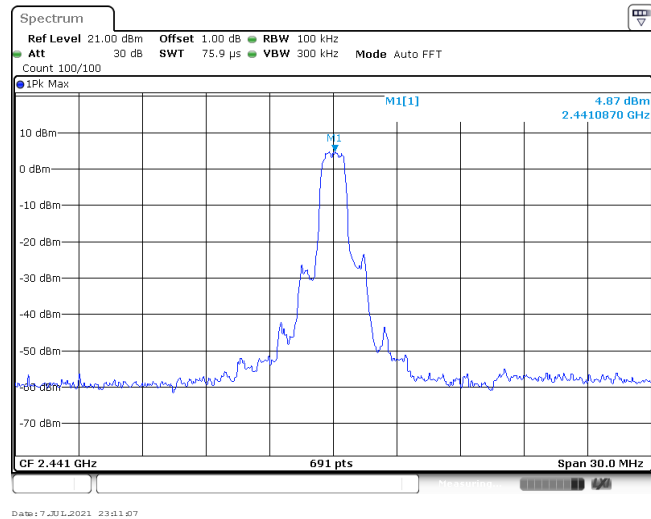


CH78
1GHz~26GHz

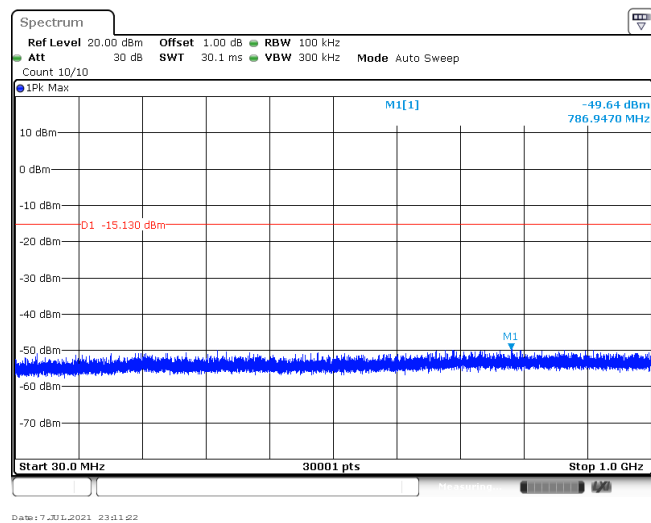


Test Item:	Spurious Emission	Modulation type:	8DPSK
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CH00 1GHz~26GHz			

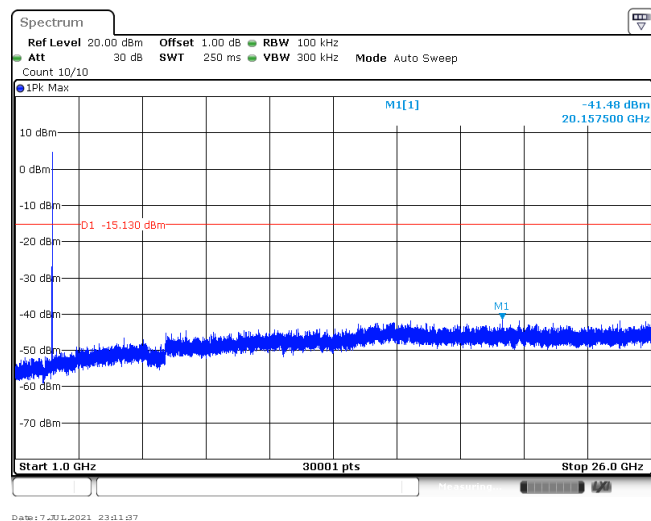
CH39
Reference level



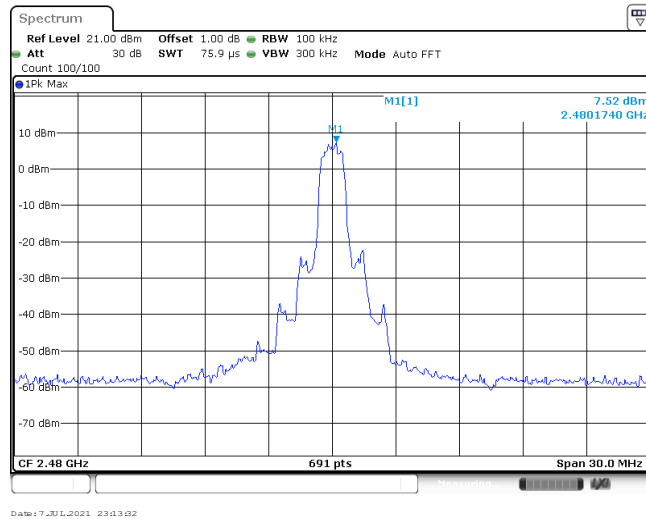
CH39
30MHz~1000MHz



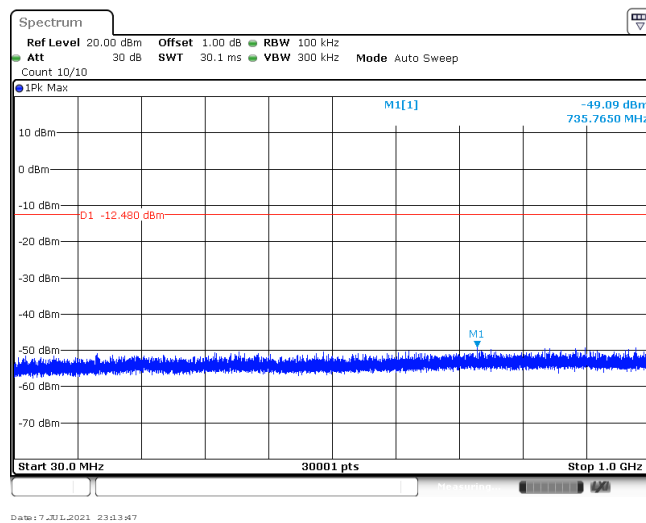
CH39
1GHz~26GHz



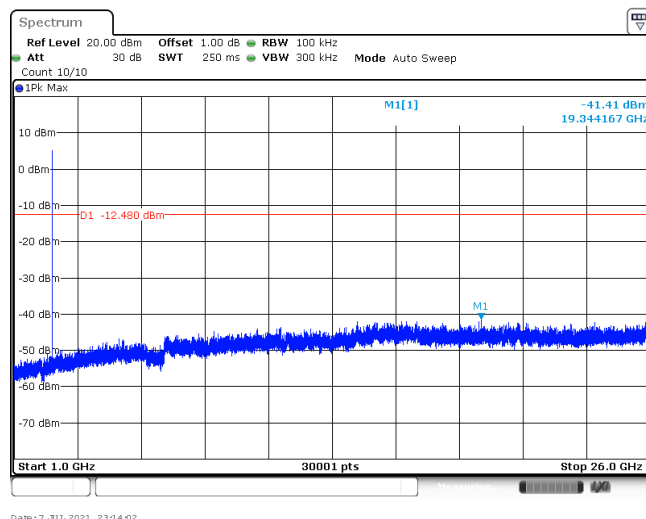
CH78
Reference level



CH78
30MHz~1000MHz



CH78
1GHz~26GHz



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