

APPENDIX REPORT

Project No.	SHT2108128604EW	Radio Specification	Bluetooth EDR
Test sample No.	YPHT2107089006	Model No.	TS-61
Start test date	2021-09-06	Finish date	2021-09-06
Temperature	26.1℃	Humidity	35%
Test Engineer	Hailey Chen	Auditor	Xiaodong Zhu

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	7.60	7.58	≤ 30.00	Pass
	39	6.89	6.87		
	78	7.70	7.69		
$\pi/4$ DQPSK	00	7.85	7.77	≤ 21.00	Pass
	39	7.10	7.00		
	78	7.70	7.63		
8DPSK	00	7.86	7.76	≤ 21.00	Pass
	39	7.08	6.99		
	78	7.58	7.50		

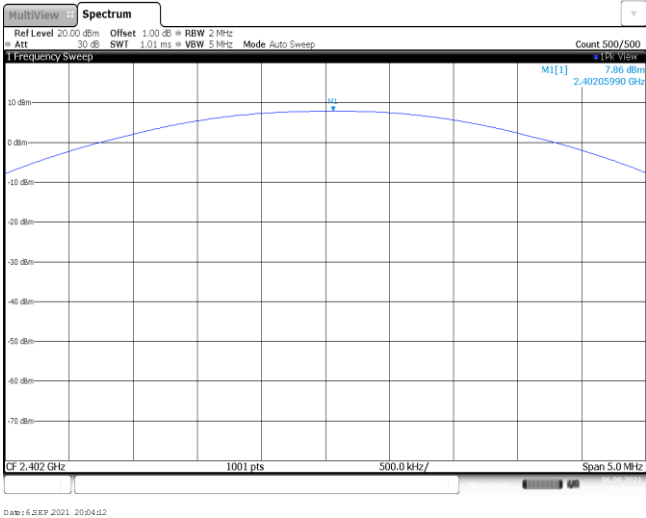
Appendix report page: 3 of 41

Appendix report page: 4 of 41

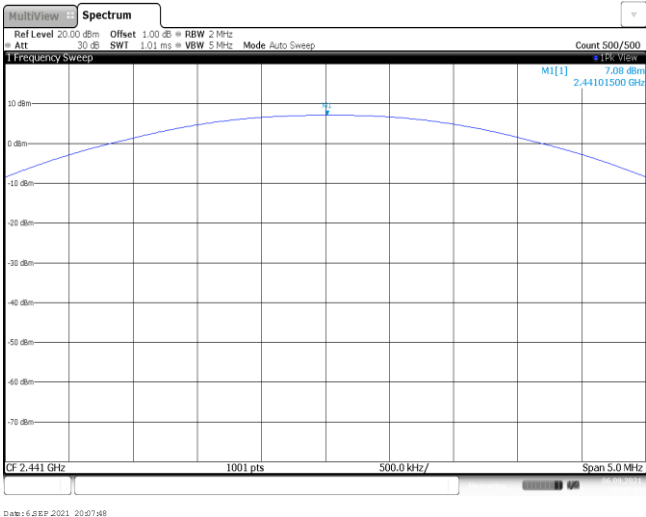
Modulation Type:

8DPSK

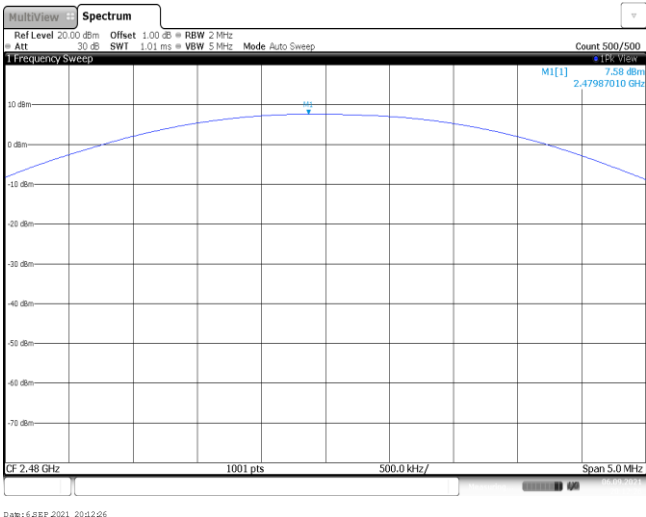
CH00



CH39



CH78



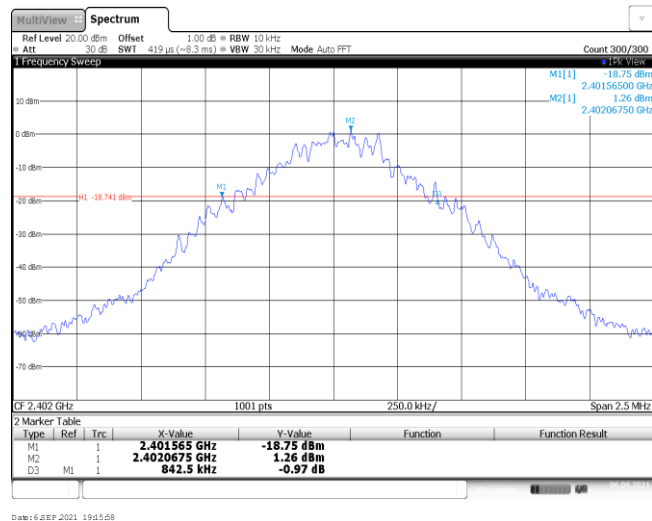
Appendix B : 20 dB Bandwidth

Modulation type	Channel	20 dB Bandwidth (kHz)	Limit (kHz)	Result
GFSK	00	842.50	-	Pass
	39	795.00		
	78	845.00		
$\pi/4$ DQPSK	00	1282.50	-	Pass
	39	1280.00		
	78	1260.00		
8DPSK	00	1292.50	-	Pass
	39	1292.50		
	78	1272.50		

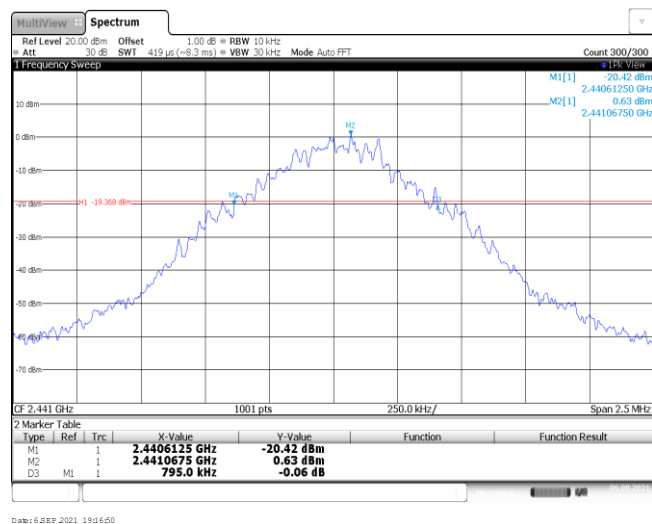
Modulation Type:

GFSK

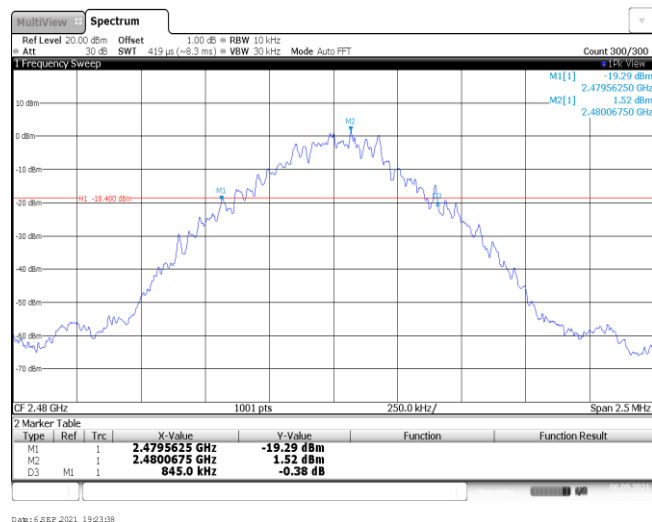
CH00



CH39



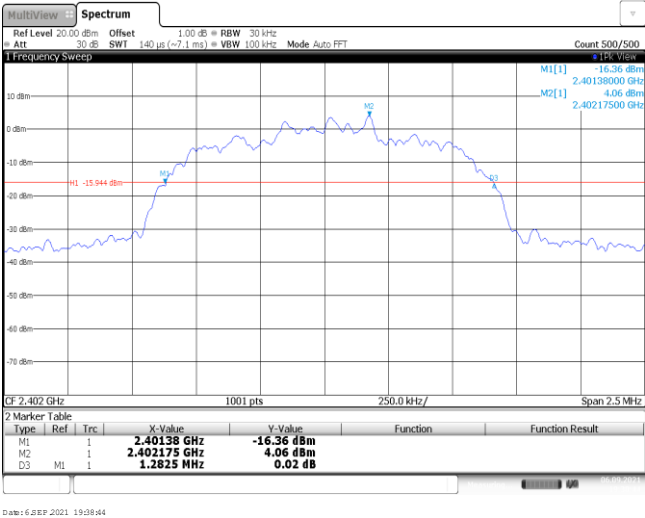
CH78



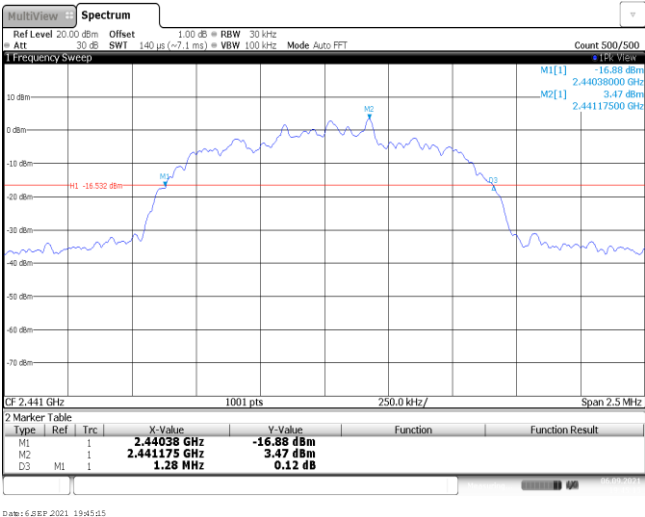
Modulation Type:

$\pi/4$ DQPSK

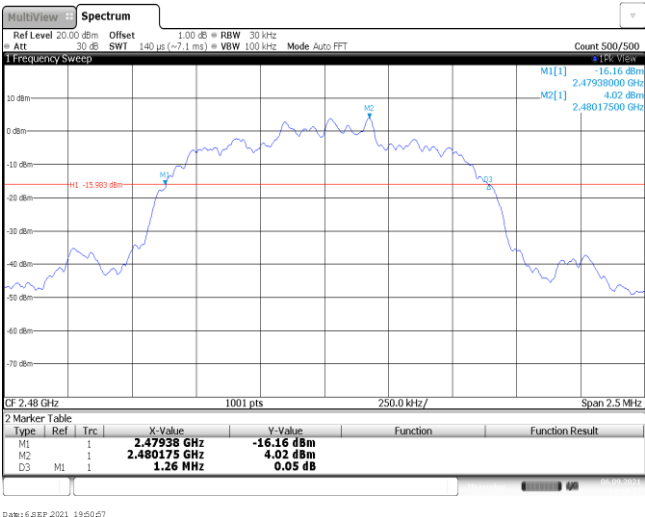
CH00



CH39



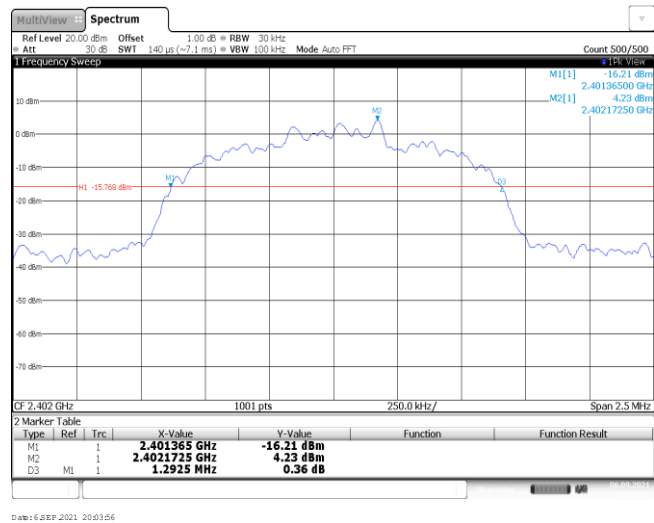
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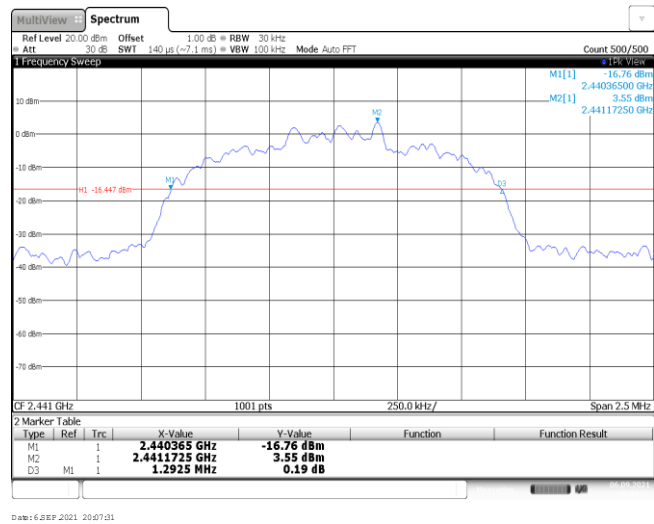
Modulation Type:

8DPSK

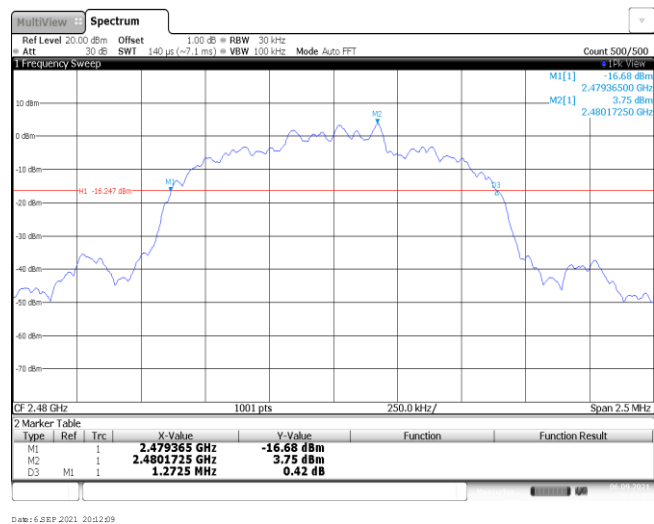
CH00



CH39



CH78



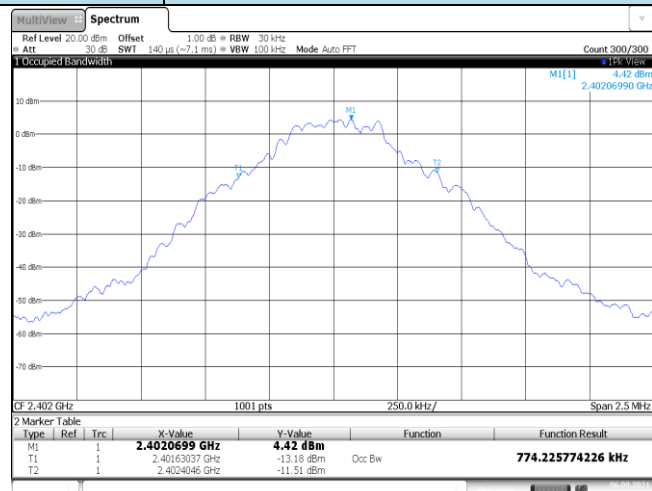
Appendix C: 99% Occupied Bandwidth

Modulation type	Channel	99% Occupied Bandwidth (MHz)	Limit (MHz)	Result
GFSK	00	0.77	-	Pass
	39	0.78		
	78	0.76		
$\pi/4$ DQPSK	00	1.16	-	Pass
	39	1.16		
	78	1.15		
8DPSK	00	1.17	-	Pass
	39	1.17		
	78	1.14		

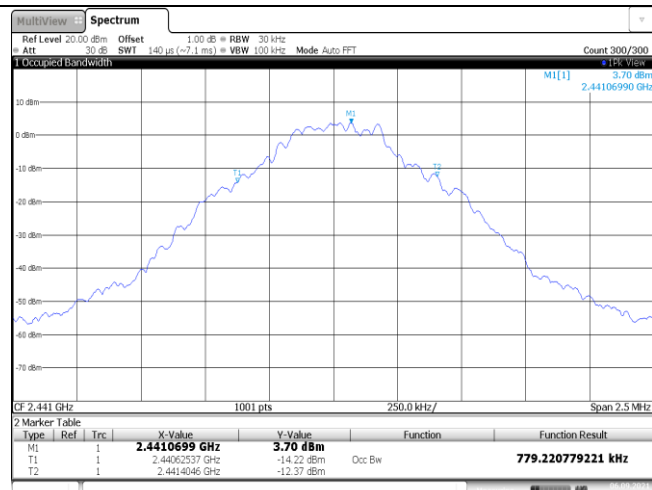
Modulation Type:

GFSK

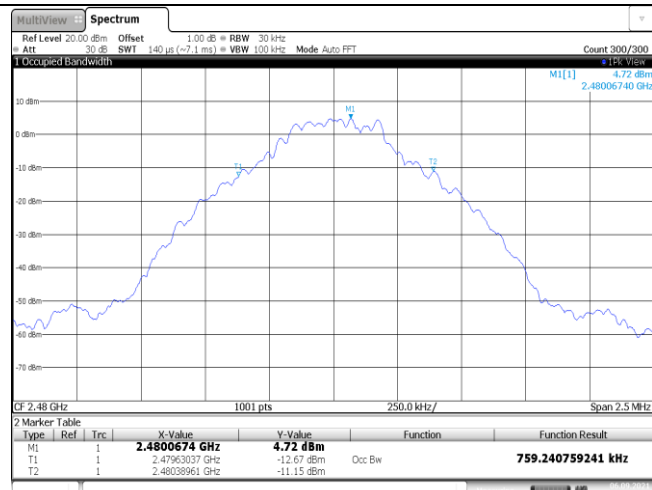
CH00

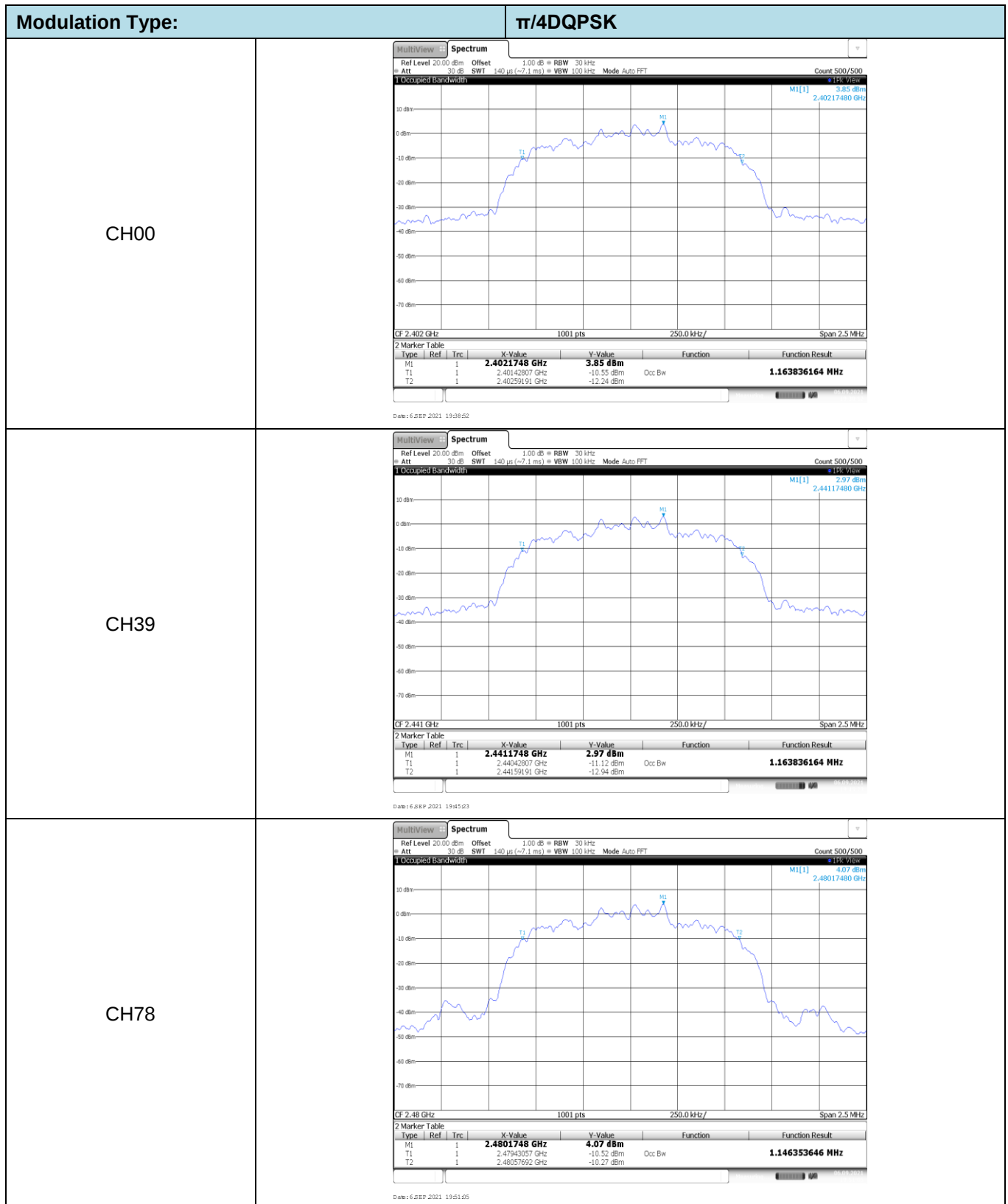


CH39



CH78





Modulation Type:

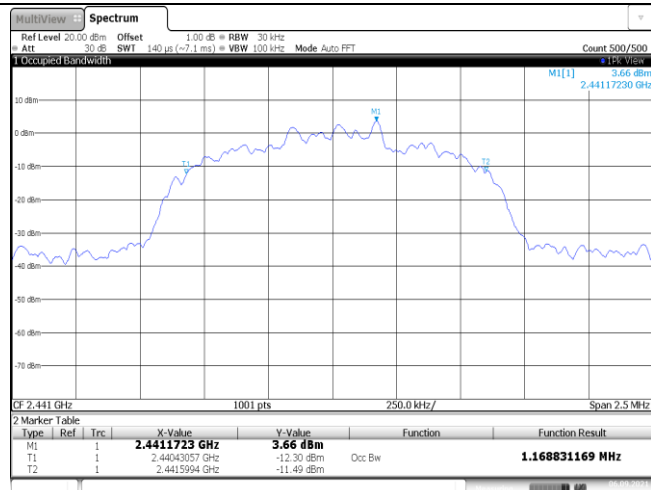
8DPSK

CH00



Date: 6 SEP 2021 20:04:04

CH39



Date: 6 SEP 2021 20:07:09

CH78



Date: 6 SEP 2021 20:22:17

Appendix D: Carrier Frequencies Separation

Modulation type	Channel	Carrier Frequencies Separation (MHz)	Limit (kHz) *	Result
GFSK	39	1.00	≥845.00	Pass
$\pi/4$ DQPSK	39	1.00	≥855.00	Pass
8DPSK	39	1.00	≥861.67	Pass

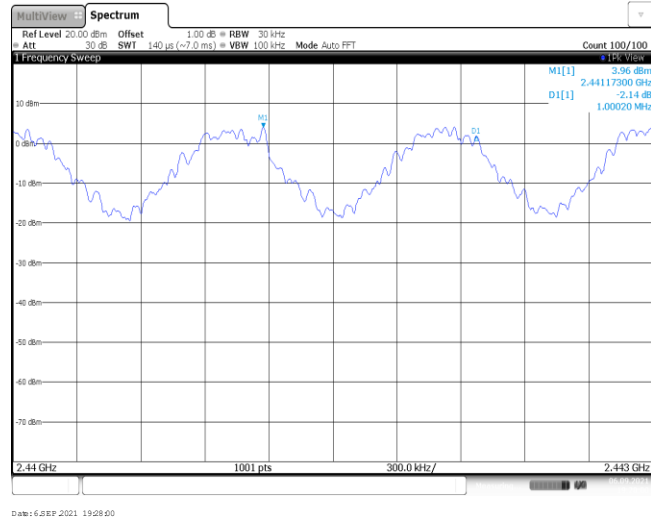
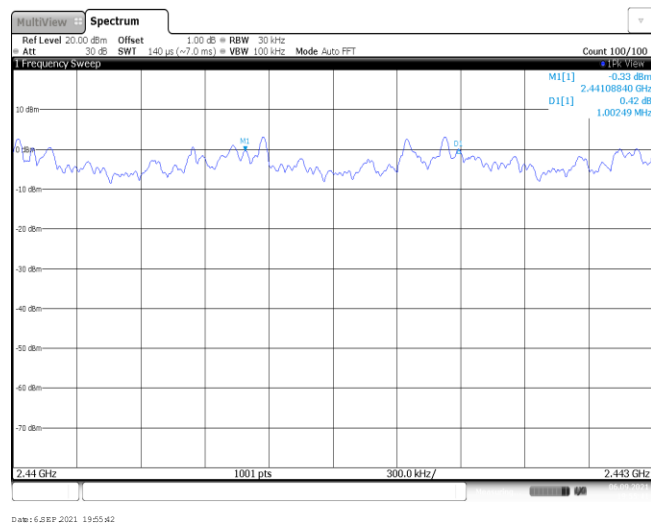
Note:

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

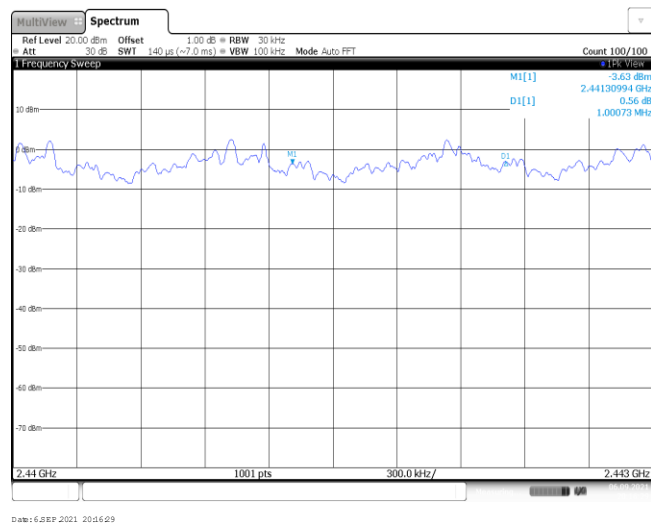
$\pi/4$ DQPSK limit = $2/3$ * The maximum 20 dB Bandwidth for $\pi/4$ DQPSK modulation on the appendix B.

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

GFSK

 $\pi/4$ DQPSK

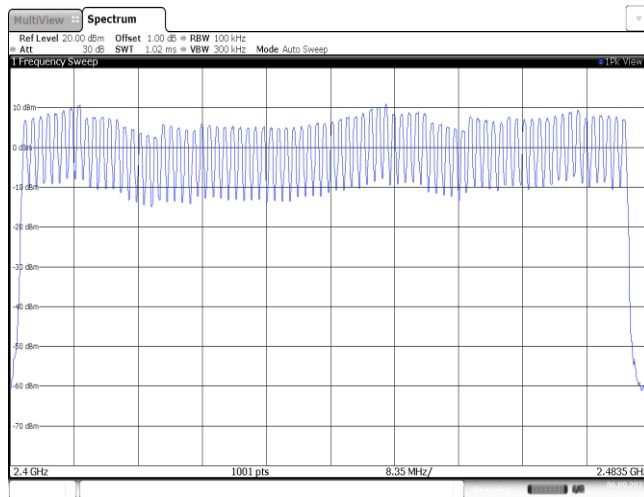
8DPSK



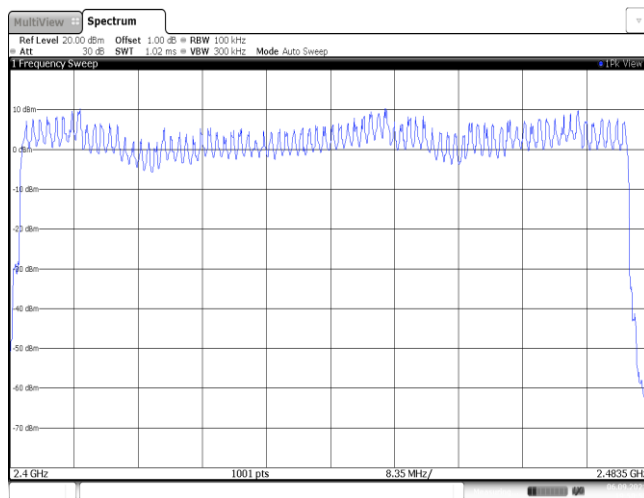
Appendix E: Hopping Channel Number

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

GFSK

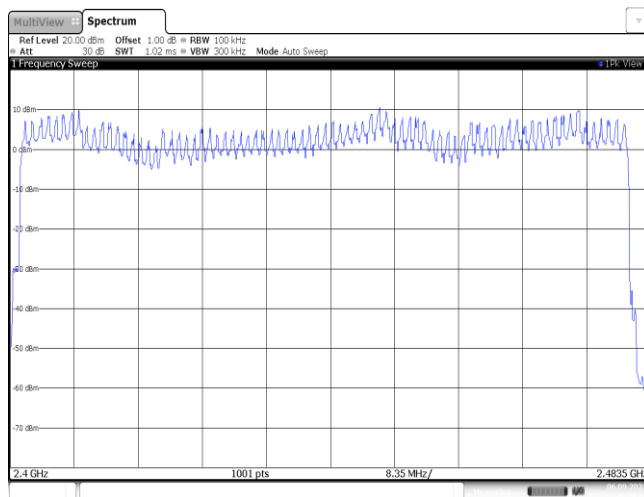


Date: 6 SEP 2021 19:31:07

 $\pi/4$ DQPSK

Date: 6 SEP 2021 19:58:52

8DPSK



Date: 6 SEP 2021 20:19:42

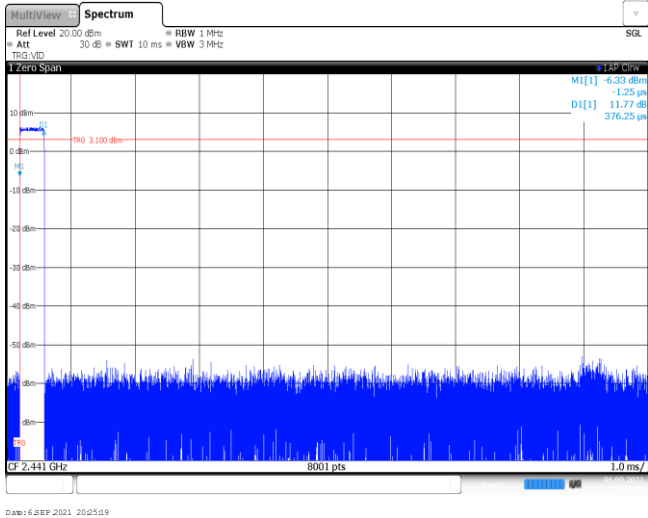
Appendix F: Dwell Time

Modulation type	Packet	Burst Width [ms]	Total Hops[hop*ch]	Dwell time (Second)	Limit (Second)	Result
GFSK	DH1	0.38	315	0.12	≤ 0.40	Pass
	DH3	1.63	67	0.11		
	DH5	2.88	98	0.28		
$\pi/4$ DQPSK	2DH1	0.38	315	0.12	≤ 0.40	Pass
	2DH3	1.64	61	0.10		
	2DH5	2.88	104	0.30		
8DPSK	3DH1	0.38	114	0.04	≤ 0.40	Pass
	3DH3	1.64	67	0.11		
	3DH5	2.89	111	0.32		

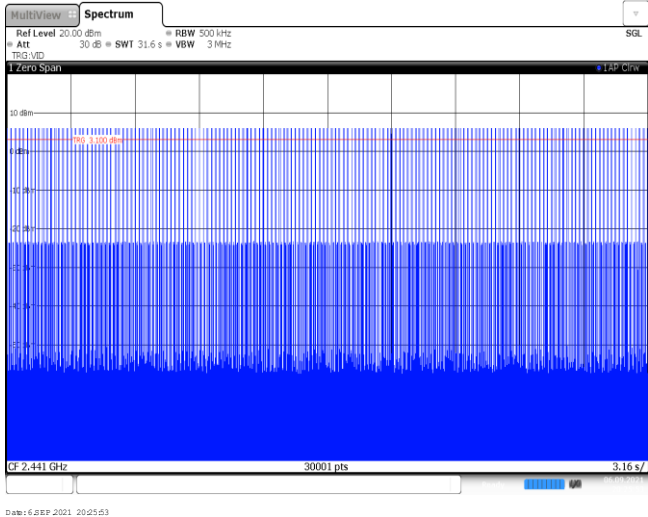
Modulation Type:

GFSK

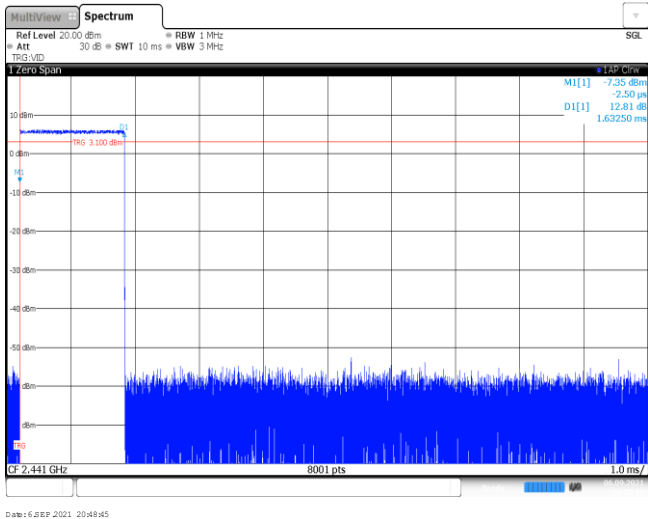
DH1
Burst width

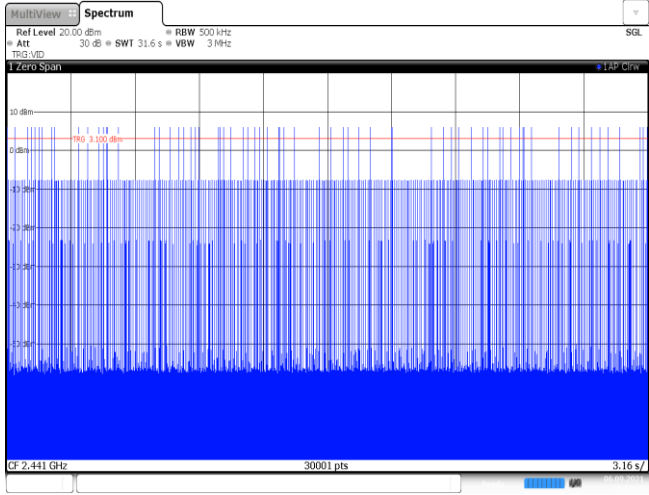
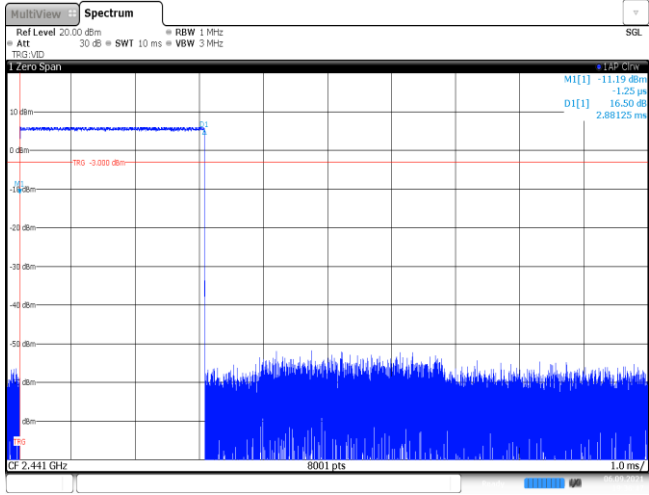
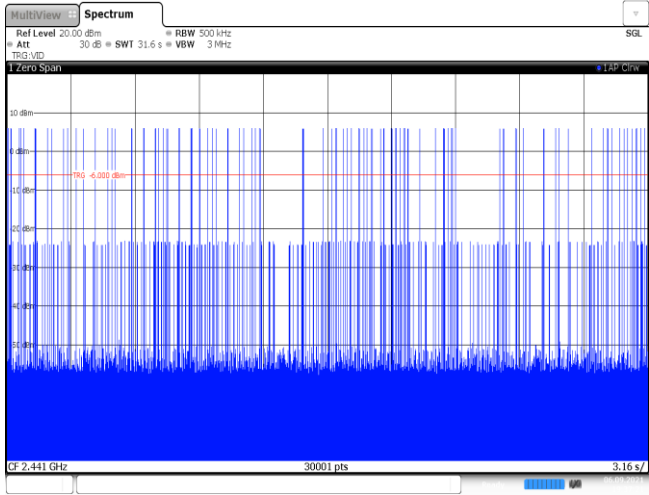


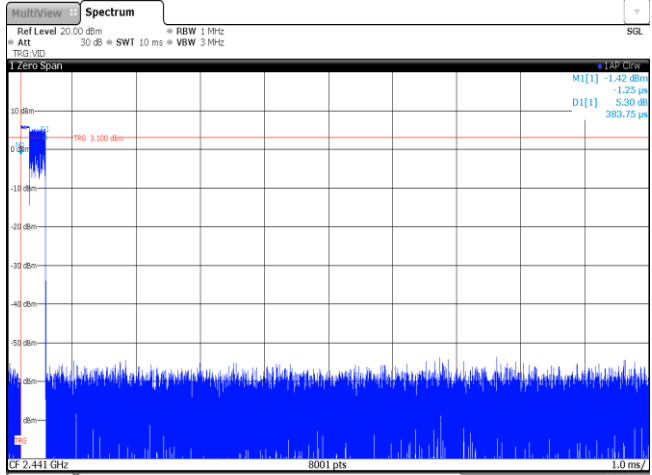
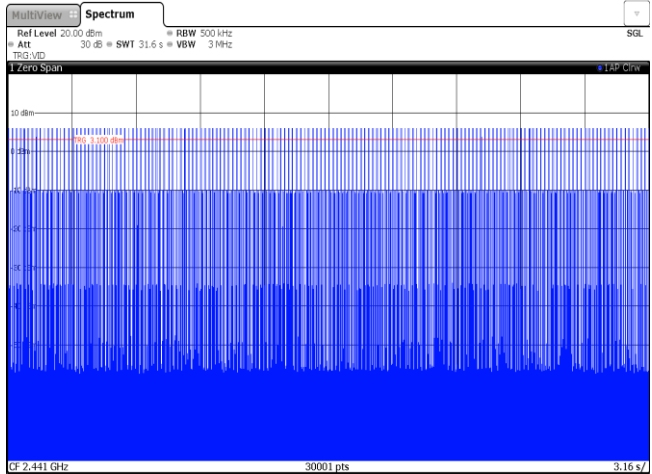
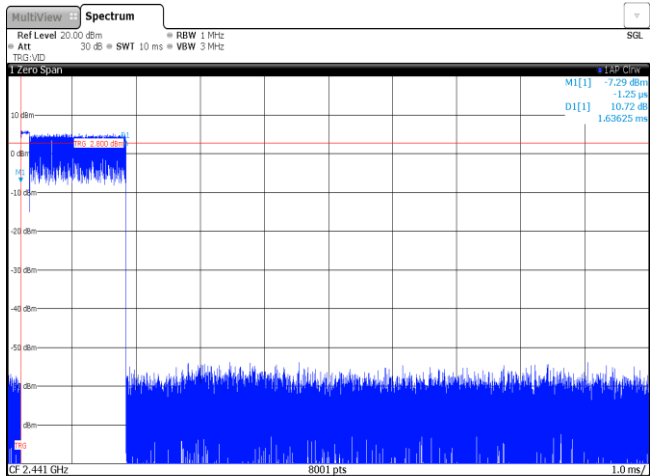
DH1
Burst number

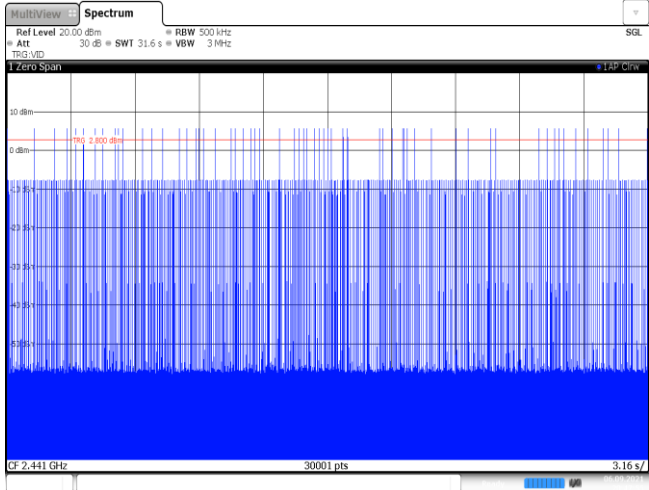
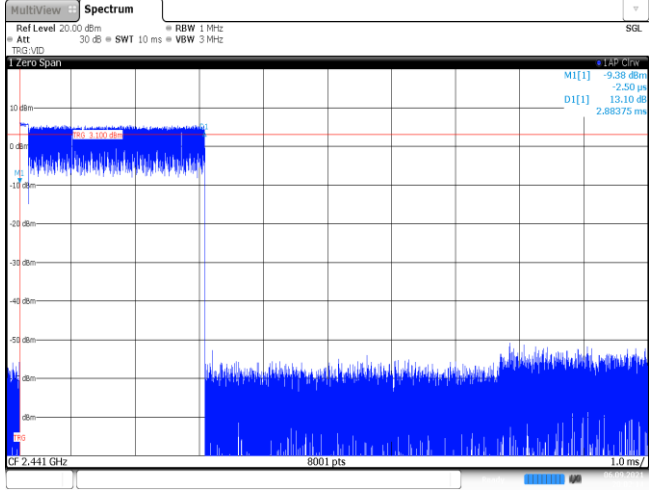
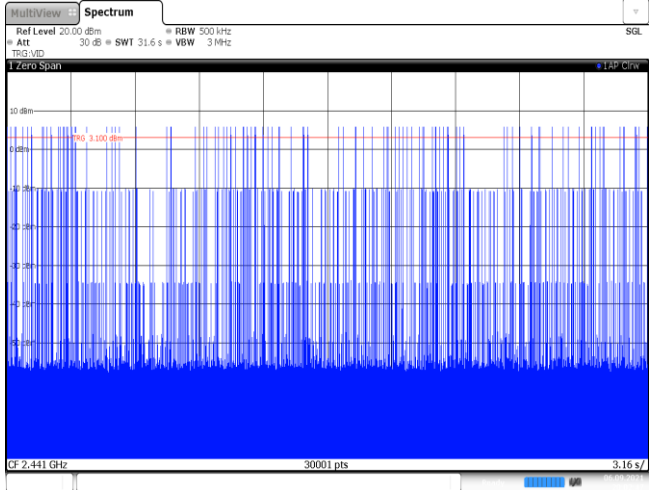


DH3
Burst width



DH3 Burst number	 The screenshot shows a spectrum plot titled 'Spectrum' with a 'Zero Span' view. The y-axis represents power in dBm, ranging from -120 to 10. The x-axis represents frequency in GHz, centered at 2.441 GHz. A red horizontal line is drawn at approximately -10 dBm, with a label 'TR0 -10.00 dBm'. The plot shows a dense blue signal across the frequency range. At the bottom, it indicates 'CF 2.441 GHz', '30001 pts', and a time scale of '3.16 s'. The date '6 SEP 2021 20:49:19' is visible at the bottom left.
DH5 Burst width	 The screenshot shows a spectrum plot titled 'Spectrum' with a 'Zero Span' view. The y-axis represents power in dBm, ranging from -120 to 10. The x-axis represents frequency in GHz, centered at 2.441 GHz. A red horizontal line is drawn at approximately -10 dBm, with a label 'TR0 -10.00 dBm'. The plot shows a dense blue signal across the frequency range. At the bottom, it indicates 'CF 2.441 GHz', '8001 pts', and a time scale of '1.0 ms'. The date '6 SEP 2021 19:26:47' is visible at the bottom left.
DH5 Burst number	 The screenshot shows a spectrum plot titled 'Spectrum' with a 'Zero Span' view. The y-axis represents power in dBm, ranging from -120 to 10. The x-axis represents frequency in GHz, centered at 2.441 GHz. A red horizontal line is drawn at approximately -10 dBm, with a label 'TR0 -10.00 dBm'. The plot shows a dense blue signal across the frequency range. At the bottom, it indicates 'CF 2.441 GHz', '30001 pts', and a time scale of '3.16 s'. The date '6 SEP 2021 19:27:21' is visible at the bottom left.

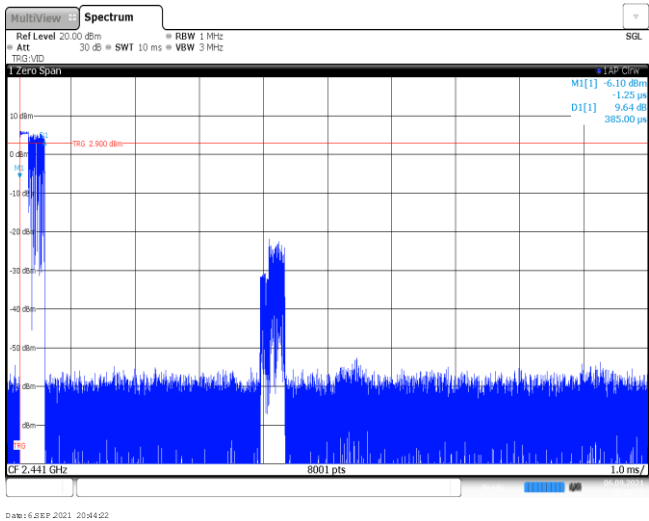
Modulation Type:	$\pi/4$ DQPSK
2DH1 Burst width	 The spectrum plot shows a signal at 2.441 GHz with a bandwidth of 1.0 ms. The plot displays a sharp peak at the center frequency, indicating a narrow bandwidth signal. The y-axis represents power in dBm, ranging from -100 to 10. The x-axis represents frequency in MHz, ranging from 2.435 to 2.447. The plot is titled 'Spectrum' and includes parameters: Ref Level 20.00 dBm, Att 30 dB, RBW 1 MHz, SWT 10 ms, VBW 3 MHz. The plot shows a peak at 2.441 GHz with a power level of approximately 0 dBm. The plot also shows a noise floor at approximately -100 dBm.
2DH1 Burst number	 The spectrum plot shows a signal at 2.441 GHz with a bandwidth of 3.16 s. The plot displays a dense, continuous signal, indicating a long burst. The y-axis represents power in dBm, ranging from -100 to 10. The x-axis represents frequency in MHz, ranging from 2.435 to 2.447. The plot is titled 'Spectrum' and includes parameters: Ref Level 20.00 dBm, Att 30 dB, RBW 500 kHz, SWT 31.6 s, VBW 3 MHz. The plot shows a dense signal at 2.441 GHz with a power level of approximately 0 dBm. The plot also shows a noise floor at approximately -100 dBm.
2DH3 Burst width	 The spectrum plot shows a signal at 2.441 GHz with a bandwidth of 1.0 ms. The plot displays a sharp peak at the center frequency, indicating a narrow bandwidth signal. The y-axis represents power in dBm, ranging from -100 to 10. The x-axis represents frequency in MHz, ranging from 2.435 to 2.447. The plot is titled 'Spectrum' and includes parameters: Ref Level 20.00 dBm, Att 30 dB, RBW 1 MHz, SWT 10 ms, VBW 3 MHz. The plot shows a peak at 2.441 GHz with a power level of approximately 0 dBm. The plot also shows a noise floor at approximately -100 dBm.

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

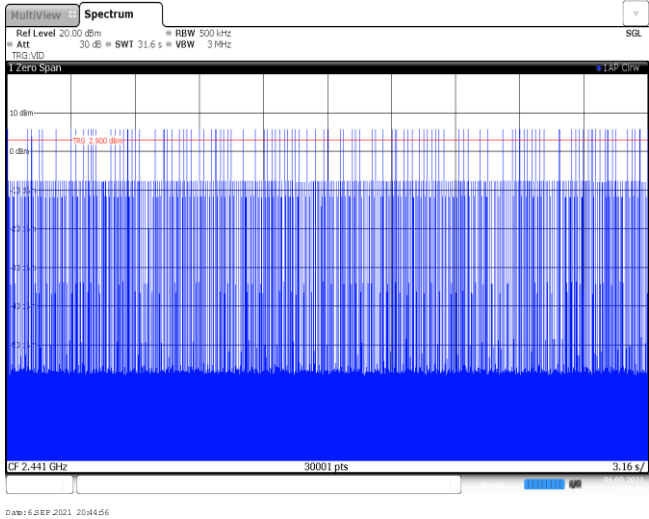
Modulation Type:

8DPSK

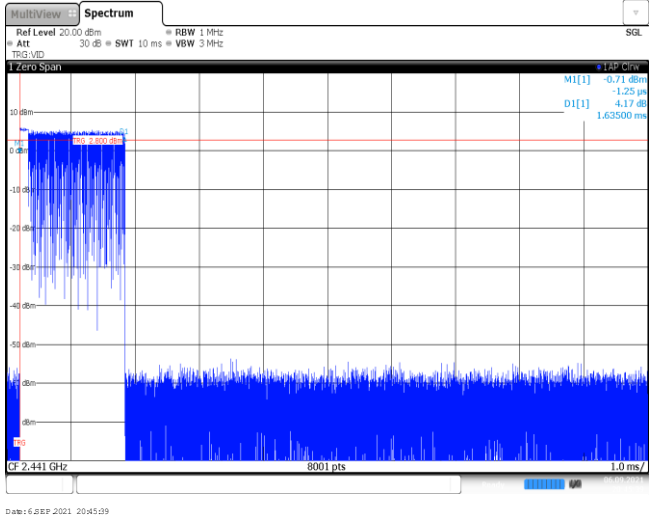
3DH1
Burst width

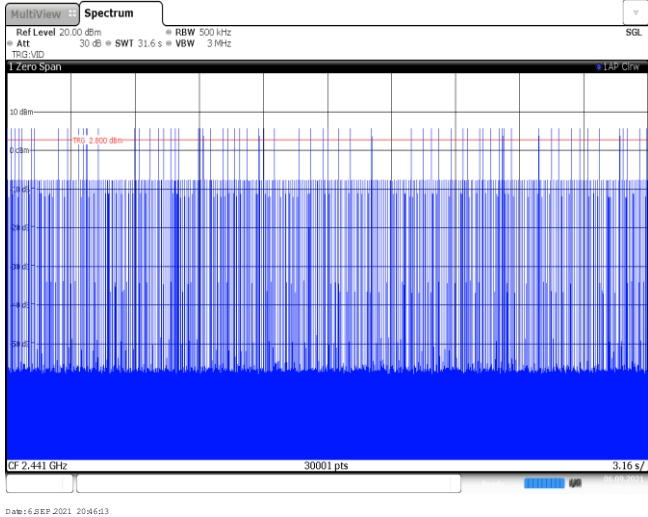
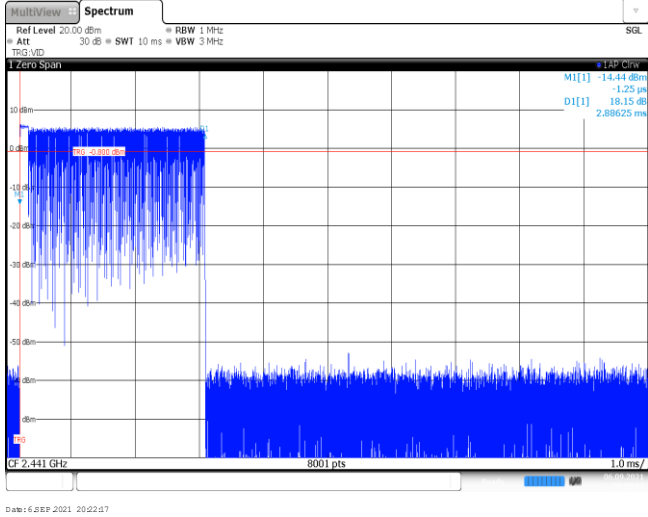
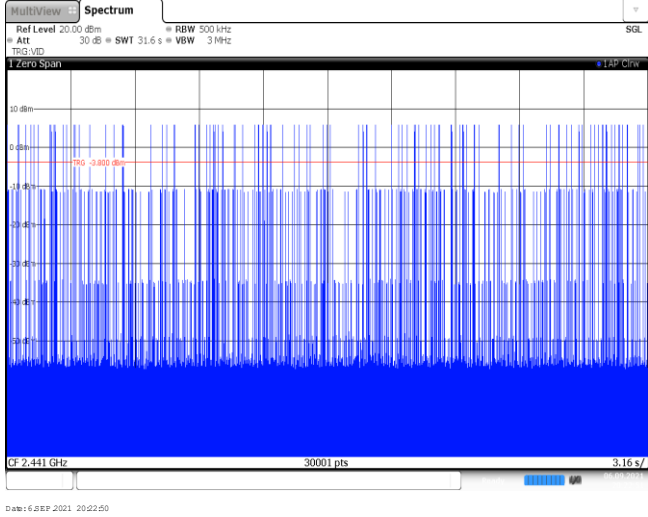


3DH1
Burst number



3DH3
Burst width

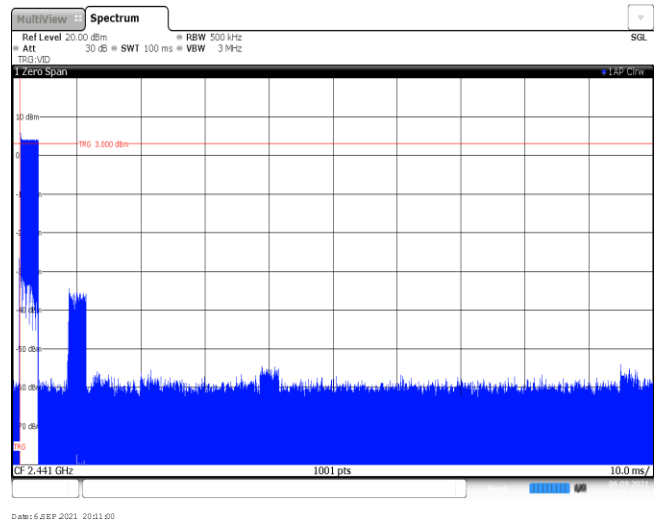
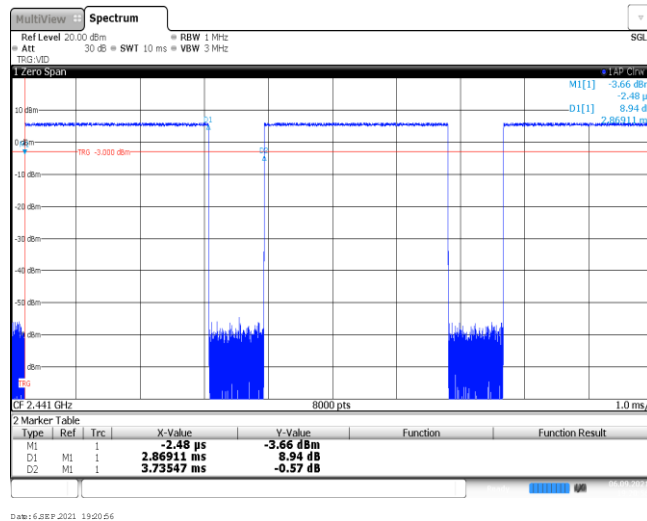


3DH3 Burst number	
3DH5 Burst width	
3DH5 Burst number	

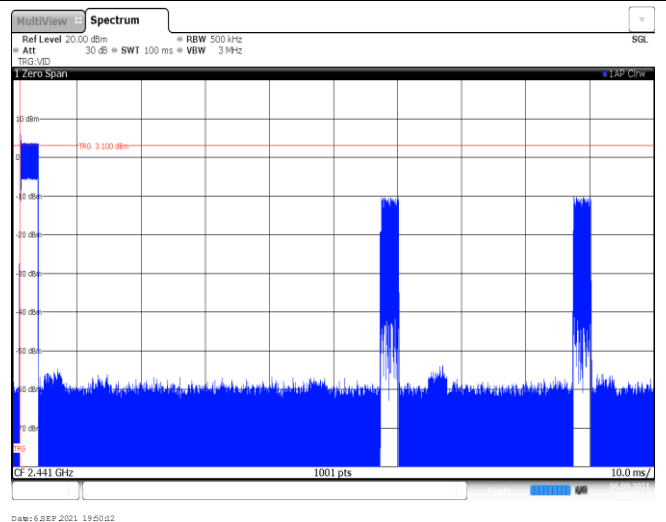
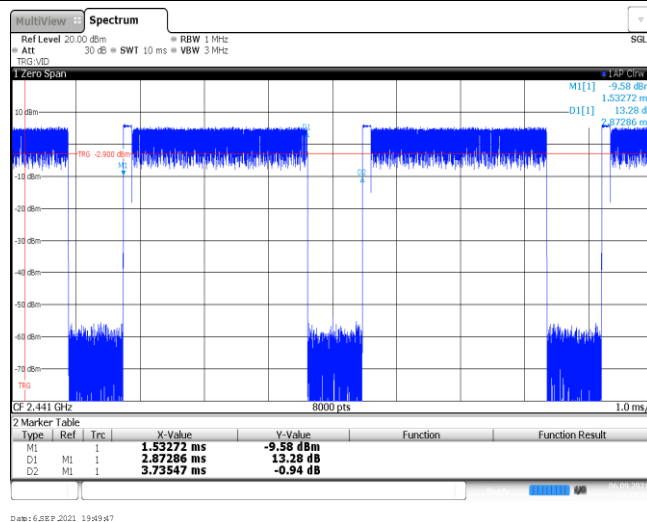
Appendix G: Duty Cycle Correction Factor (DCCF)

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	2.87	100	1	-30.84
$\pi/4$ DQPSK	2441	2.87	100	3	-21.30
8DPSK	2441	2.88	100	1	-30.81

GFSK

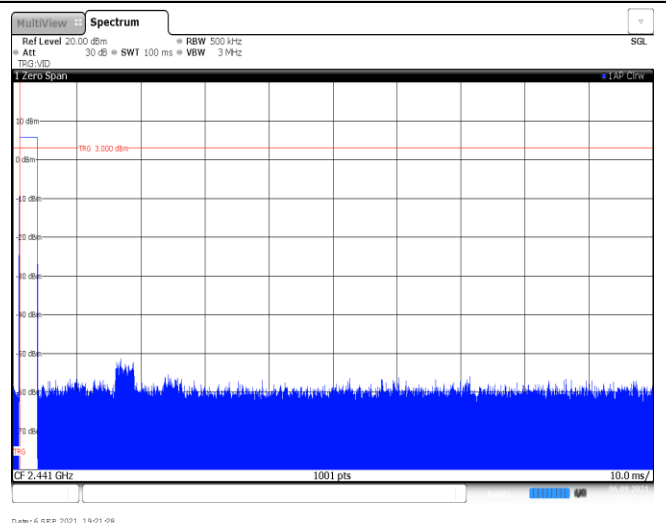
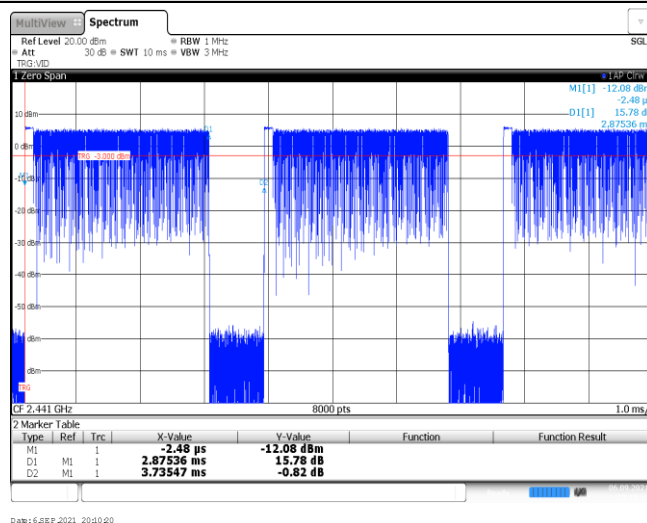
T_{on} time for single burst

Burst Quantity

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

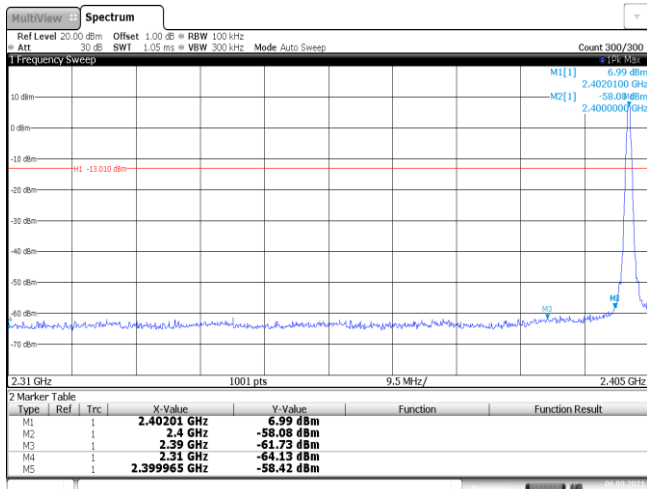
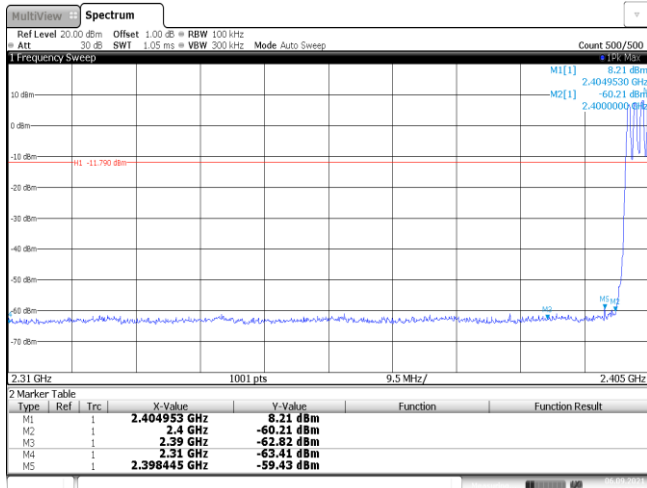
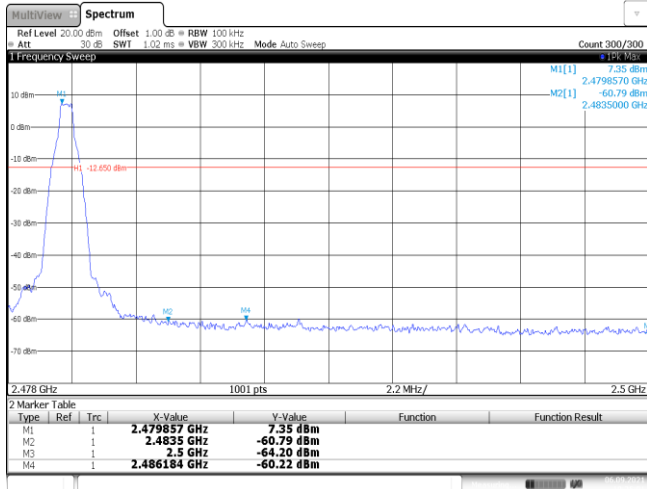
Burst Quantity

8DPSK

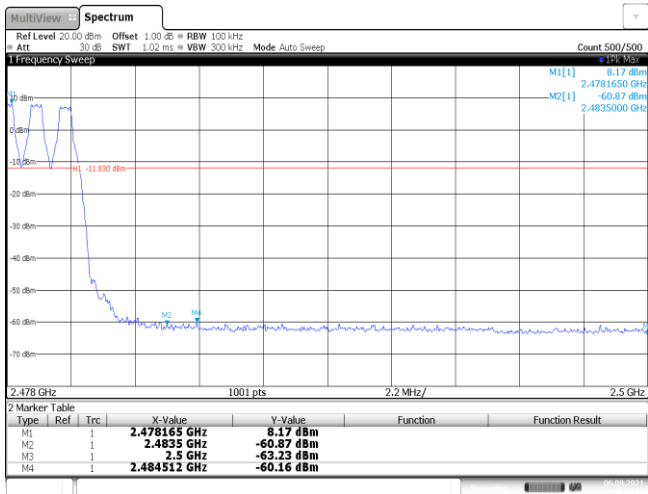
T_{on} time for single burst

Burst Quantity

Appendix H: Band edge and Spurious Emissions (conducted)

Test Item:	Band edge	Modulation type:	GFSK																																										
CH00 No hopping mode	 2 Marker Table <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>2.40201 GHz</td><td>6.99 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-58.08 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-61.73 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-64.13 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399965 GHz</td><td>-58.42 dBm</td><td></td><td></td></tr></table> Date: 6 SEP 2021 19:14:10	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40201 GHz	6.99 dBm			M2	1		2.4 GHz	-58.08 dBm			M3	1		2.39 GHz	-61.73 dBm			M4	1		2.31 GHz	-64.13 dBm			M5	1		2.399965 GHz	-58.42 dBm				
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.40201 GHz	6.99 dBm																																									
M2	1		2.4 GHz	-58.08 dBm																																									
M3	1		2.39 GHz	-61.73 dBm																																									
M4	1		2.31 GHz	-64.13 dBm																																									
M5	1		2.399965 GHz	-58.42 dBm																																									
CH00 Hopping mode	 2 Marker Table <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>2.404953 GHz</td><td>8.21 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-60.21 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>-63.41 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.398445 GHz</td><td>-59.43 dBm</td><td></td><td></td></tr></table> Date: 6 SEP 2021 19:12:09	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.404953 GHz	8.21 dBm			M2	1		2.4 GHz	-60.21 dBm			M3	1		2.39 GHz	-62.82 dBm			M4	1		2.31 GHz	-63.41 dBm			M5	1		2.398445 GHz	-59.43 dBm				
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
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M2	1		2.4 GHz	-60.21 dBm																																									
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CH78 No hopping mode	 2 Marker Table <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>2.479857 GHz</td><td>7.35 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-60.79 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-64.20 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.486184 GHz</td><td>-60.22 dBm</td><td></td><td></td></tr></table> Date: 6 SEP 2021 19:25:01	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.479857 GHz	7.35 dBm			M2	1		2.4835 GHz	-60.79 dBm			M3	1		2.5 GHz	-64.20 dBm			M4	1		2.486184 GHz	-60.22 dBm											
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
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M3	1		2.5 GHz	-64.20 dBm																																									
M4	1		2.486184 GHz	-60.22 dBm																																									

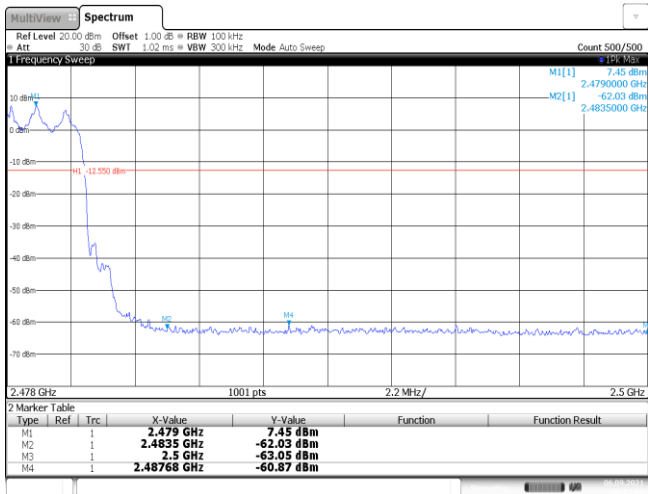
CH78
Hopping mode



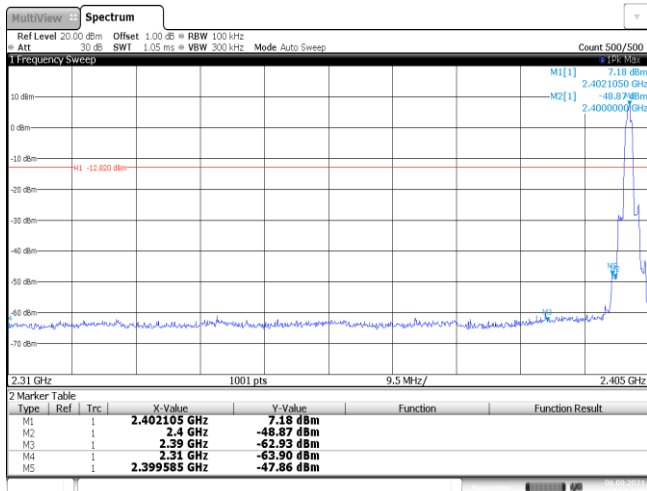
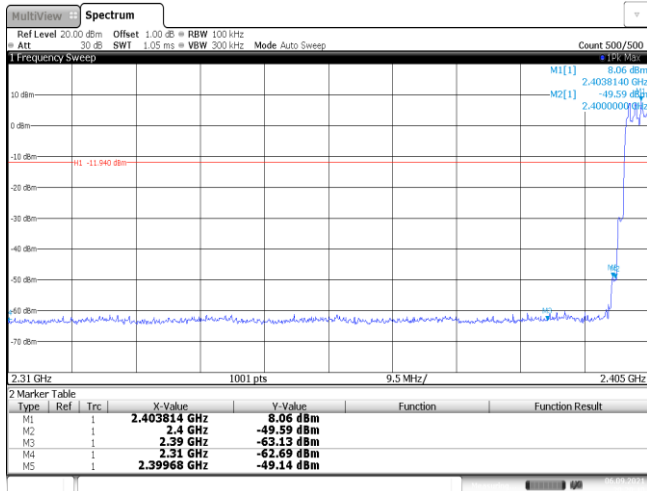
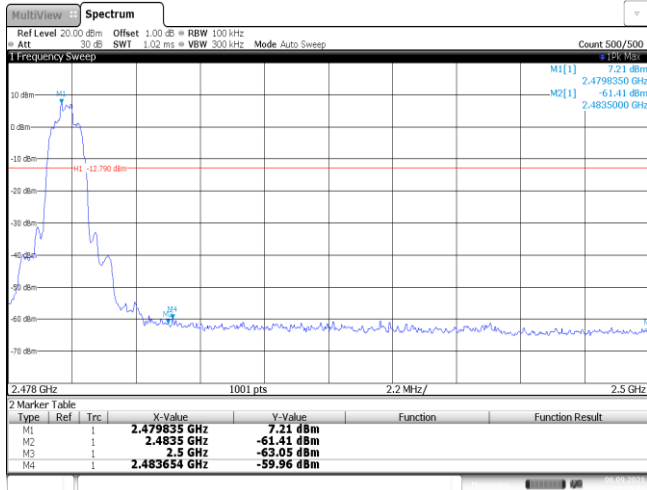
Date: 6 SEP 2021 19:36:40

Test Item:	Band edge	Modulation type:	$\pi/4$ DQPSK																																										
CH00 No hopping mode	MultiViewSpectrum Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SW 1.05 ms VBW 300 kHz Mode Auto Sweep Count 500/500 Frequency Sweep M1[1] 7.15 dBm 2.401821 GHz M2[1] -47.49 dBm 2.400000 GHz -12.850 dBm M1 2.31 GHz1001 pts9.5 MHz/2.405 GHz <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>2.401821 GHz</td><td>7.15 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-47.49 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-63.33 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-64.24 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399965 GHz</td><td>-48.45 dBm</td><td></td><td></td></tr></table> Date: 6 SEP 2021 19:42:28			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.401821 GHz	7.15 dBm			M2	1		2.4 GHz	-47.49 dBm			M3	1		2.39 GHz	-63.33 dBm			M4	1		2.31 GHz	-64.24 dBm			M5	1		2.399965 GHz	-48.45 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
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M2	1		2.4 GHz	-47.49 dBm																																									
M3	1		2.39 GHz	-63.33 dBm																																									
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CH00 Hopping mode	MultiViewSpectrum Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SW 1.05 ms VBW 300 kHz Mode Auto Sweep Count 500/500 Frequency Sweep M1[1] 8.59 dBm 2.404858 GHz M2[1] -49.34 dBm 2.400000 GHz -11.410 dBm M1 2.31 GHz1001 pts9.5 MHz/2.405 GHz <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>2.404858 GHz</td><td>8.59 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-49.34 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-62.27 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-62.44 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399965 GHz</td><td>-49.66 dBm</td><td></td><td></td></tr></table> Date: 6 SEP 2021 20:00:54			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.404858 GHz	8.59 dBm			M2	1		2.4 GHz	-49.34 dBm			M3	1		2.39 GHz	-62.27 dBm			M4	1		2.31 GHz	-62.44 dBm			M5	1		2.399965 GHz	-49.66 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.404858 GHz	8.59 dBm																																									
M2	1		2.4 GHz	-49.34 dBm																																									
M3	1		2.39 GHz	-62.27 dBm																																									
M4	1		2.31 GHz	-62.44 dBm																																									
M5	1		2.399965 GHz	-49.66 dBm																																									
CH78 No hopping mode	MultiViewSpectrum Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SW 1.02 ms VBW 300 kHz Mode Auto Sweep Count 500/500 Frequency Sweep M1[1] 7.15 dBm 2.479835 GHz M2[1] -61.77 dBm 2.483500 GHz -12.850 dBm M1 2.478 GHz1001 pts2.2 MHz/2.5 GHz <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>2.479835 GHz</td><td>7.15 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-61.77 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-63.85 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.484446 GHz</td><td>-60.68 dBm</td><td></td><td></td></tr></table> Date: 6 SEP 2021 19:51:45			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.479835 GHz	7.15 dBm			M2	1		2.4835 GHz	-61.77 dBm			M3	1		2.5 GHz	-63.85 dBm			M4	1		2.484446 GHz	-60.68 dBm									
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M3	1		2.5 GHz	-63.85 dBm																																									
M4	1		2.484446 GHz	-60.68 dBm																																									

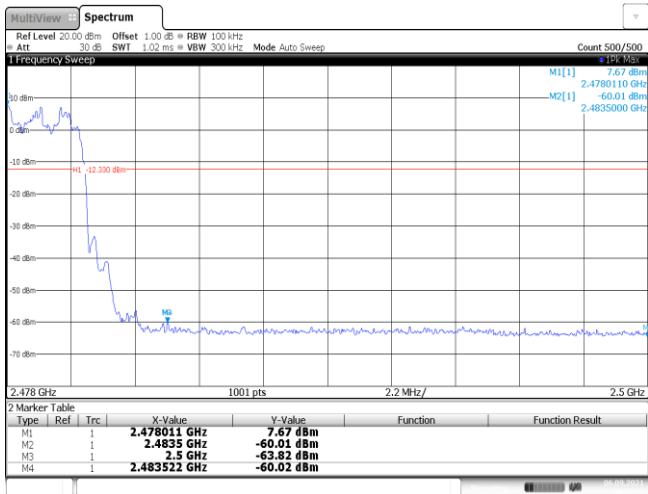
CH78
Hopping mode

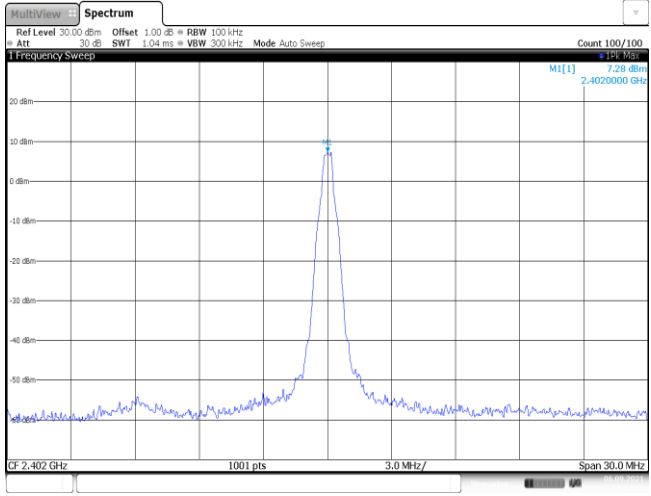
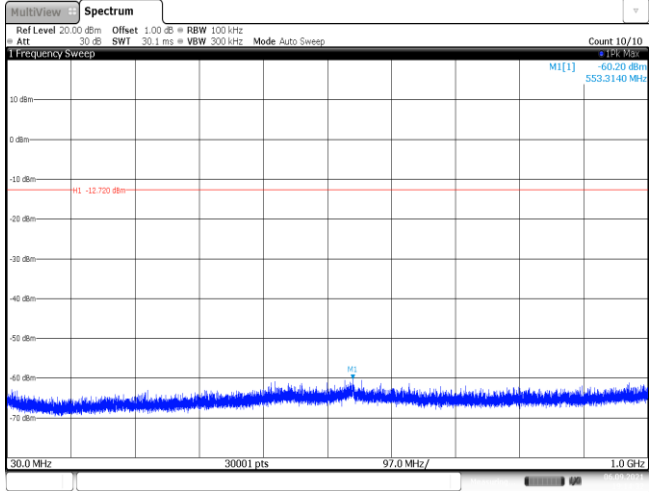
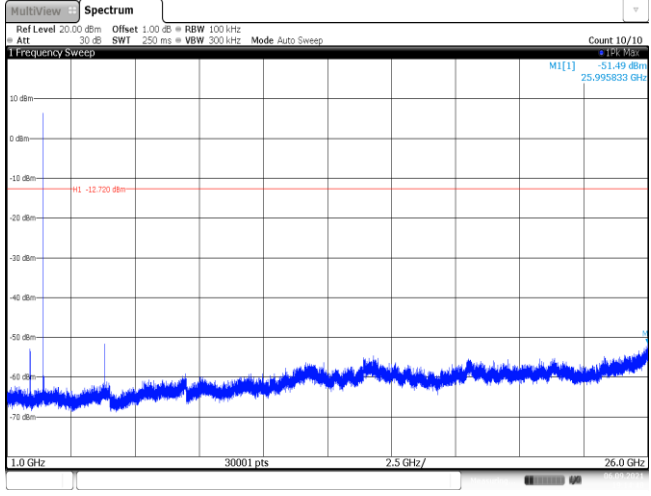


Date: 6 SEP 2021 20:02:03

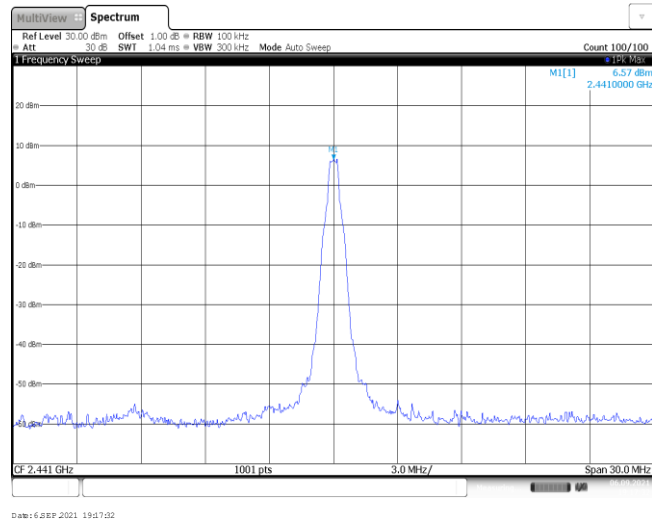
Test Item:	Band edge	Modulation type:	8DPSK																																										
CH00 No hopping mode	 <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-Value</th><th>Y-Value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>2.402105 GHz</td><td>7.18 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-48.87 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-62.93 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-63.90 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399585 GHz</td><td>-47.86 dBm</td><td></td><td></td></tr></table> Date: 6 SEP 2021 20:04:49	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.402105 GHz	7.18 dBm			M2	1		2.4 GHz	-48.87 dBm			M3	1		2.39 GHz	-62.93 dBm			M4	1		2.31 GHz	-63.90 dBm			M5	1		2.399585 GHz	-47.86 dBm				
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CH00 Hopping mode	 <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>2.403814 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>-49.59 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-63.13 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-62.69 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.39968 GHz</td><td>-49.14 dBm</td><td></td><td></td></tr></table> Date: 6 SEP 2021 20:20:40	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.403814 GHz	8.06 dBm			M2	1		2.4 GHz	-49.59 dBm			M3	1		2.39 GHz	-63.13 dBm			M4	1		2.31 GHz	-62.69 dBm			M5	1		2.39968 GHz	-49.14 dBm				
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M5	1		2.39968 GHz	-49.14 dBm																																									
CH78 No hopping mode	 <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>2.479835 GHz</td><td>7.21 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-61.41 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-63.05 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.483654 GHz</td><td>-59.96 dBm</td><td></td><td></td></tr></table> Date: 6 SEP 2021 20:13:01	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.479835 GHz	7.21 dBm			M2	1		2.4835 GHz	-61.41 dBm			M3	1		2.5 GHz	-63.05 dBm			M4	1		2.483654 GHz	-59.96 dBm											
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CH78
Hoppig mode

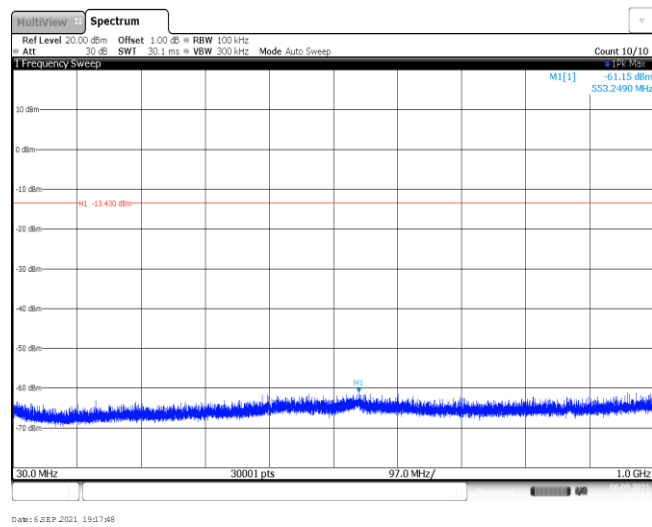


Test Item:	Spurious Emission	Modulation type:	GFSK
CH00 Reference level			
CH00 30MHz~1000MHz			
CH00 1GHz~26GHz			

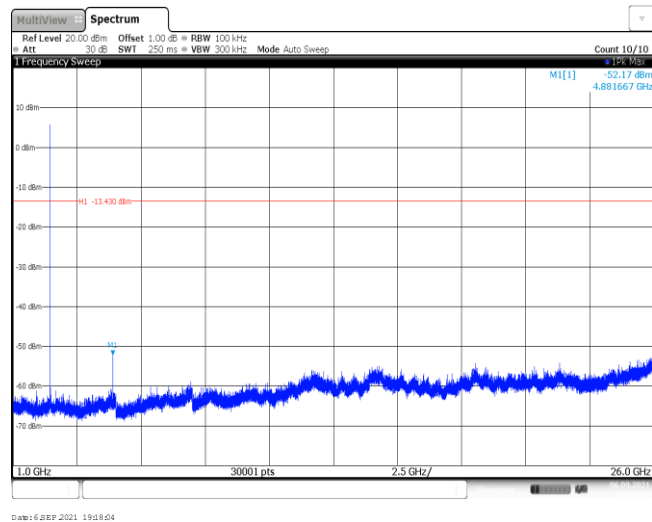
CH39
Reference level



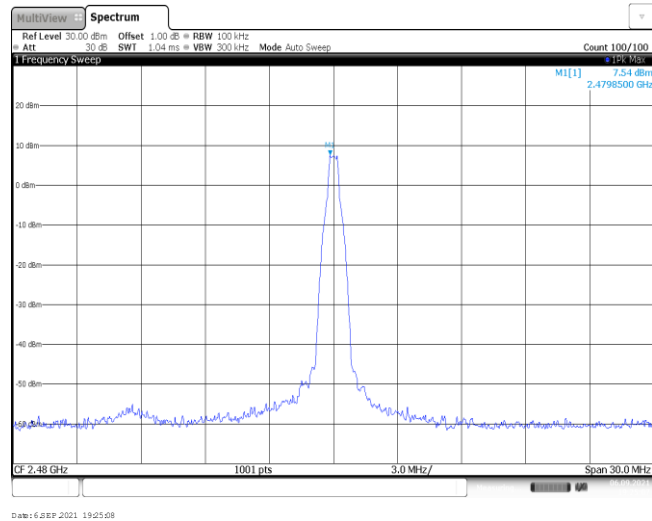
CH39
30MHz~1000MHz



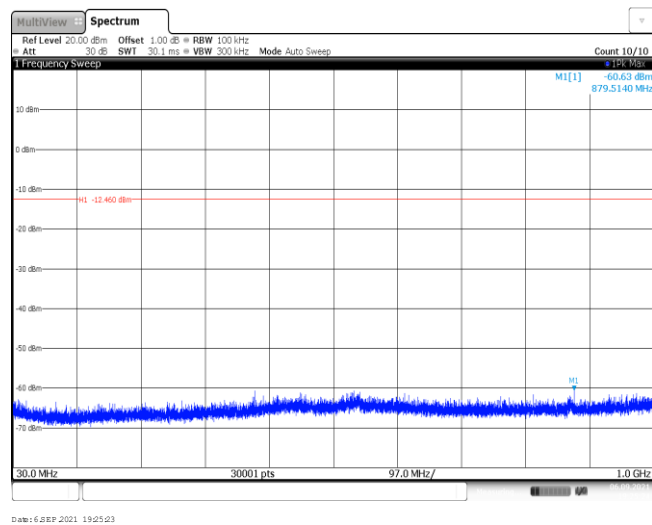
CH39
1GHz~26GHz



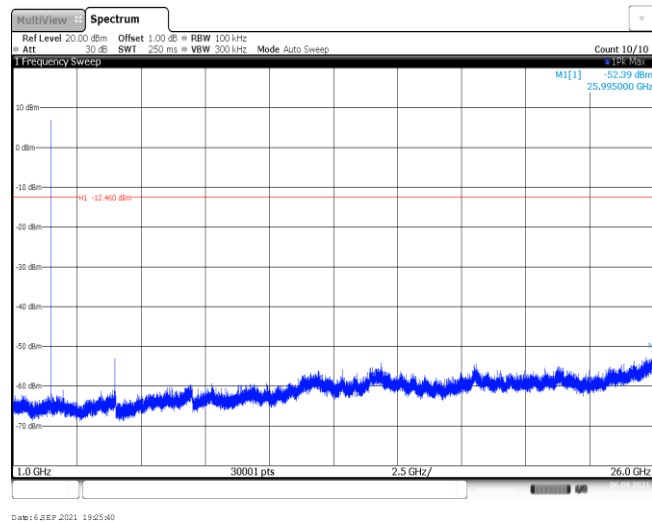
CH78
Reference level

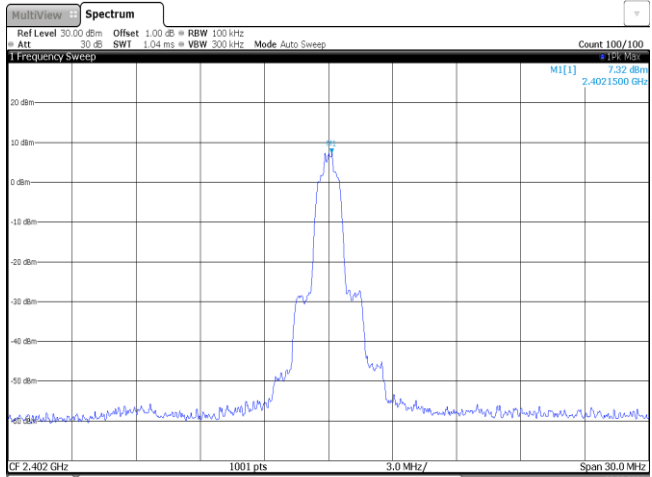
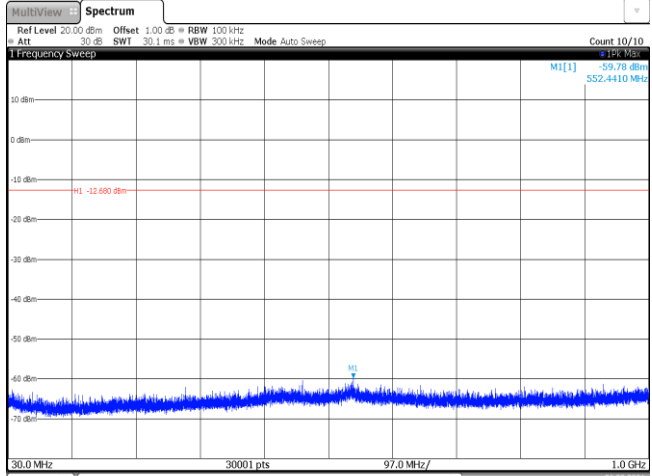
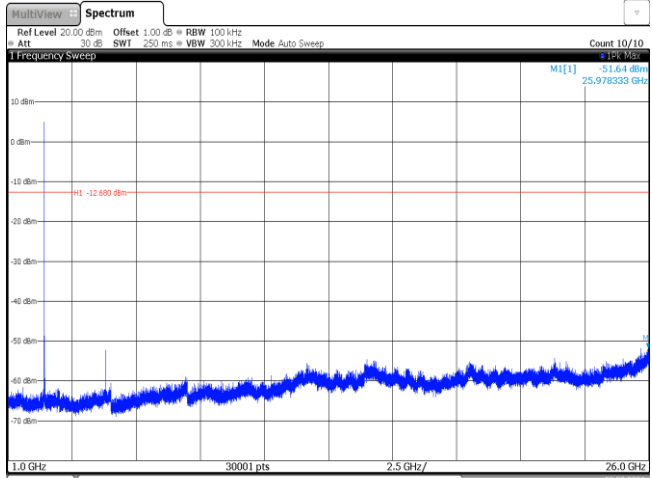


CH78
30MHz~1000MHz

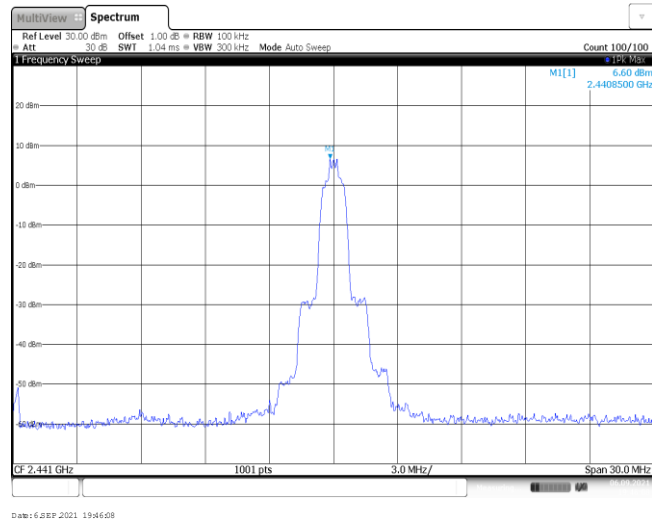


CH78
1GHz~26GHz

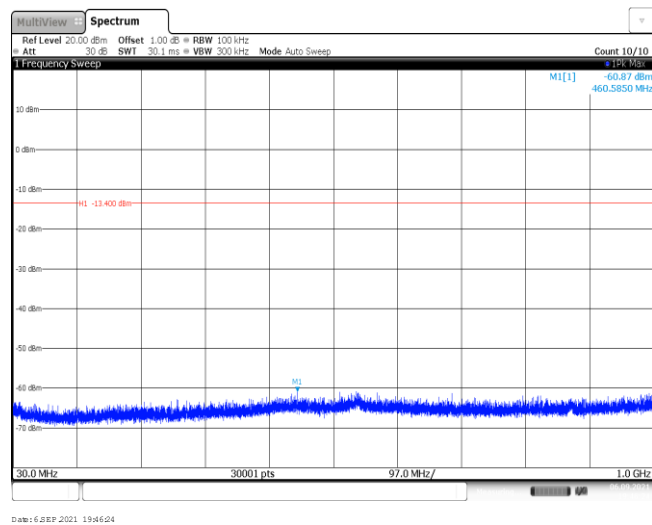


Test Item:	Spurious Emission	Modulation type:	$\pi/4$ DQPSK
CH00 Reference level	 Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 M1[1] 7.32 dBm 2.4021500 GHz CF 2.402 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 6 SEP 2021 19:43:38		
CH00 30MHz~1000MHz	 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 M1[1] -59.78 dBm 552.4410 MHz M1 -12.680 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 6 SEP 2021 19:43:53		
CH00 1GHz~26GHz	 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 M1[1] -51.64 dBm 25.978333 GHz M1 -12.680 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 6 SEP 2021 19:44:09		

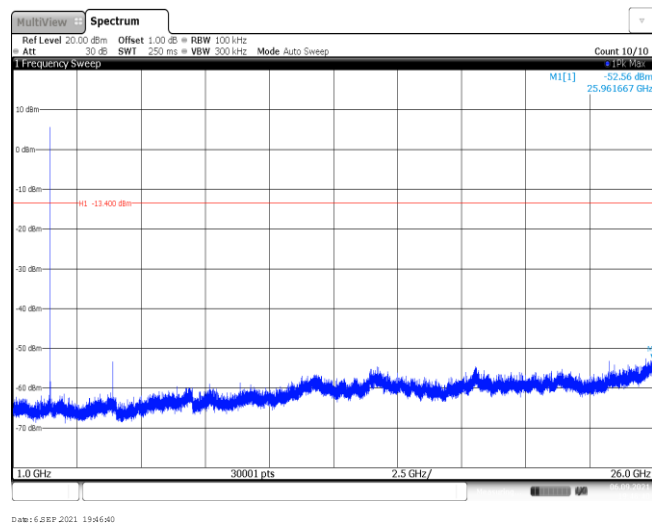
CH39
Reference level



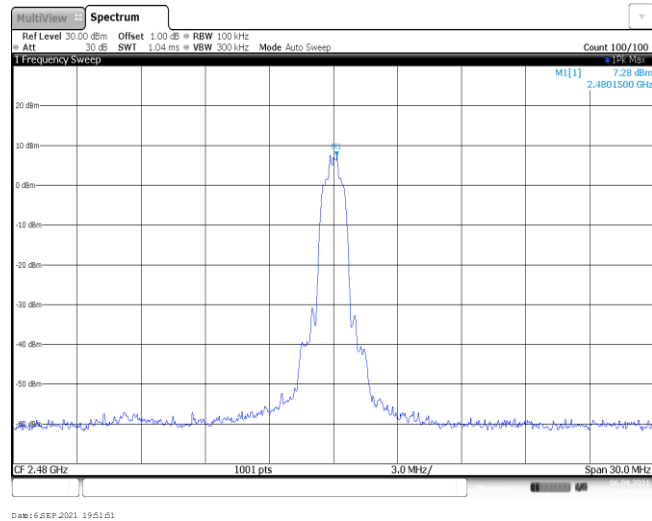
CH39
30MHz~1000MHz



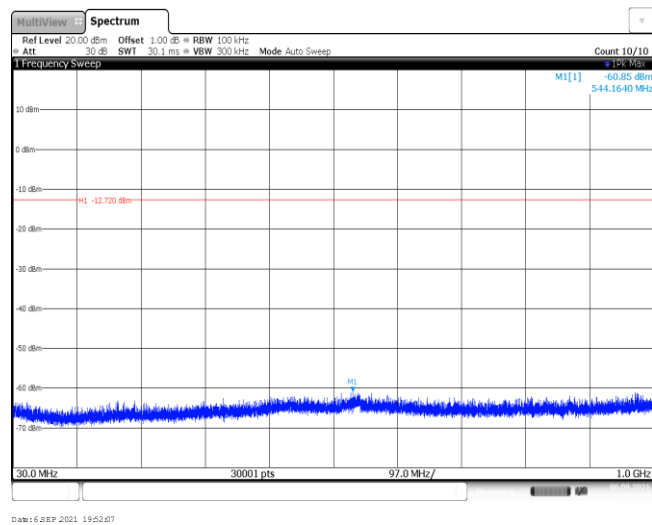
CH39
1GHz~26GHz



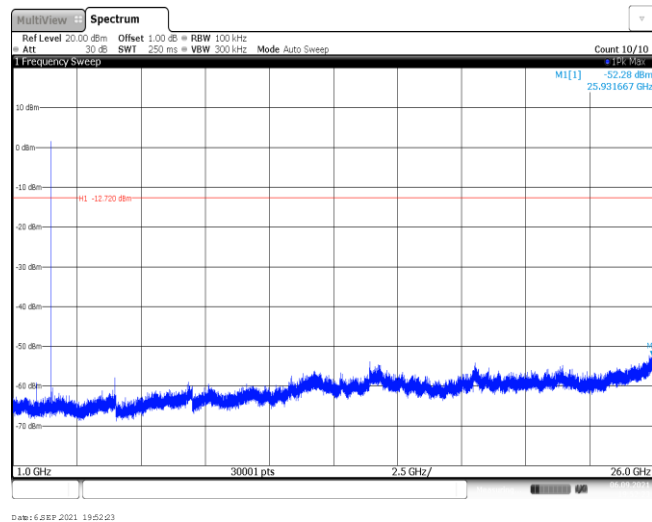
CH78
Reference level

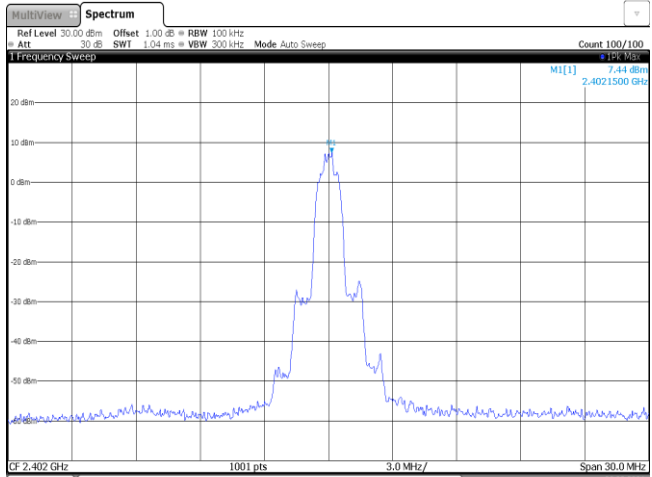
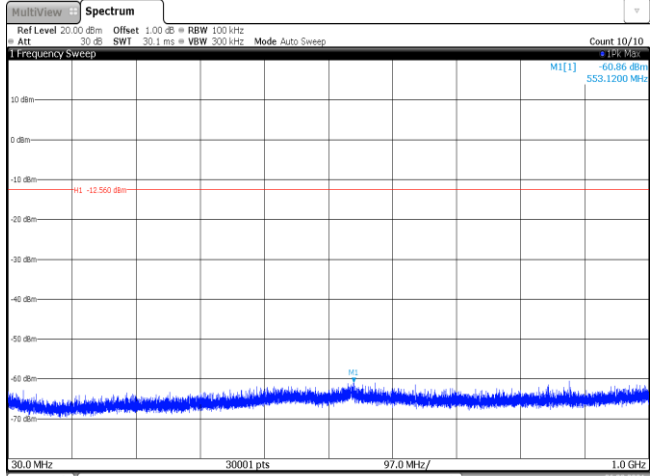
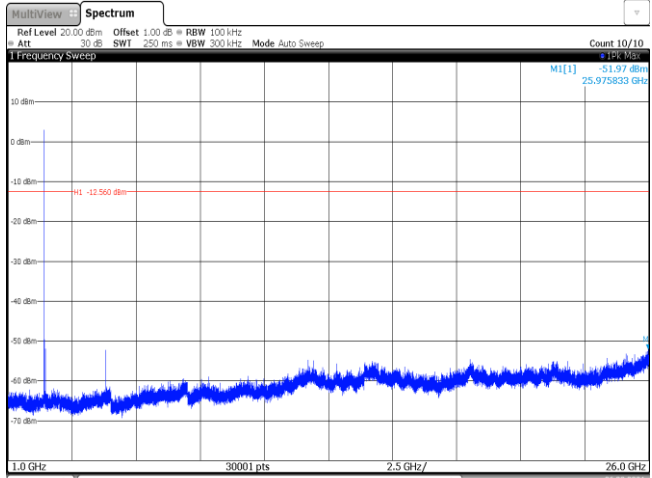


CH78
30MHz~1000MHz

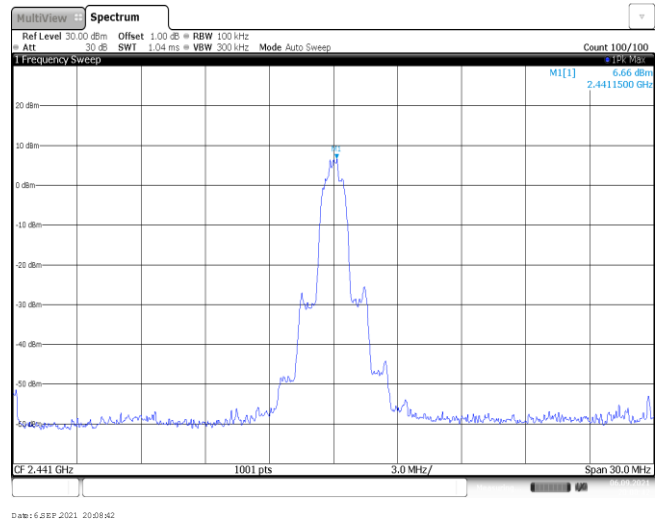


CH78
1GHz~26GHz

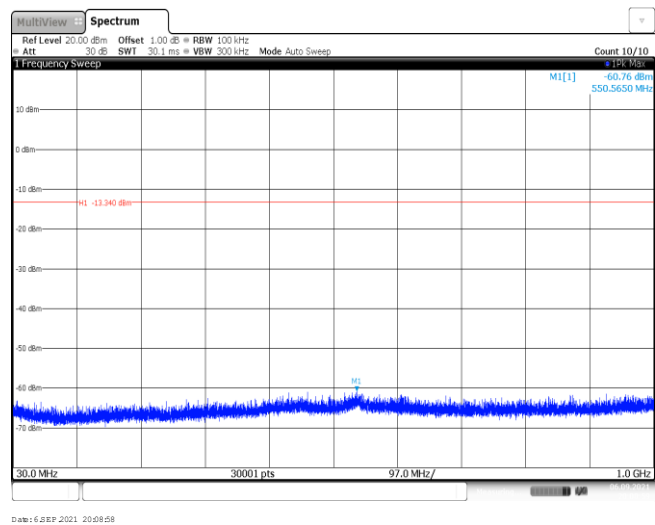


Test Item:	Spurious Emission	Modulation type:	8DPSK
CH00 Reference level	 Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 M1[1] 7.44 dBm 2.4021500 GHz CF 2.402 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 6 SEP 2021 20:04:56		
CH00 30MHz~1000MHz	 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 M1[1] -60.86 dBm 553.1200 MHz M1 -12.560 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 6 SEP 2021 20:05:11		
CH00 1GHz~26GHz	 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 M1[1] -51.97 dBm 25.975833 GHz M1 -12.560 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 6 SEP 2021 20:05:27		

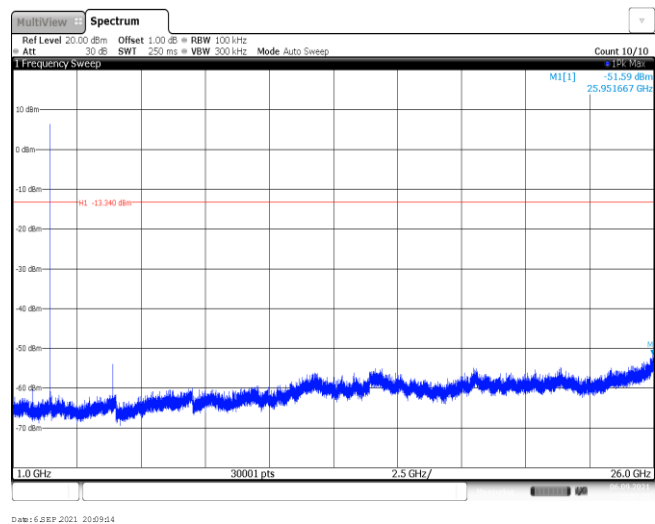
CH39
Reference level



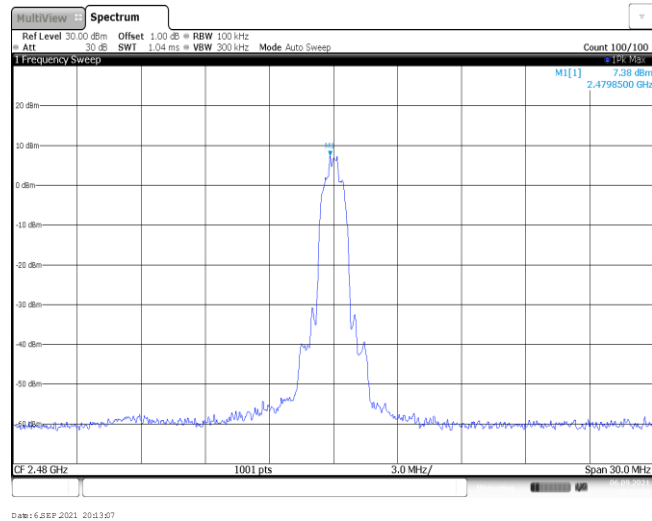
CH39
30MHz~1000MHz



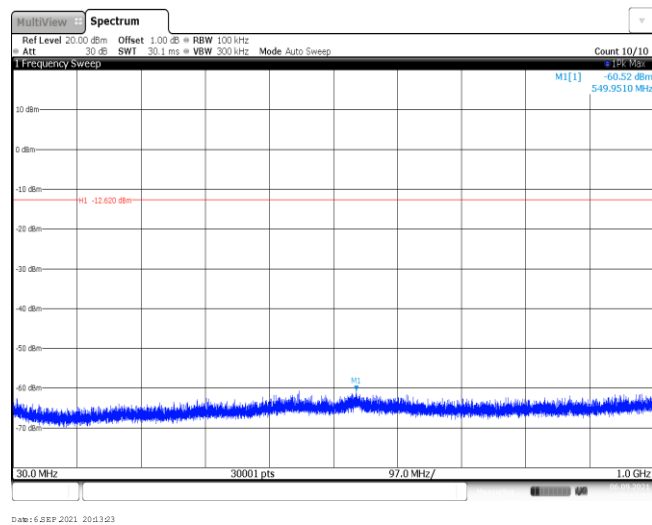
CH39
1GHz~26GHz



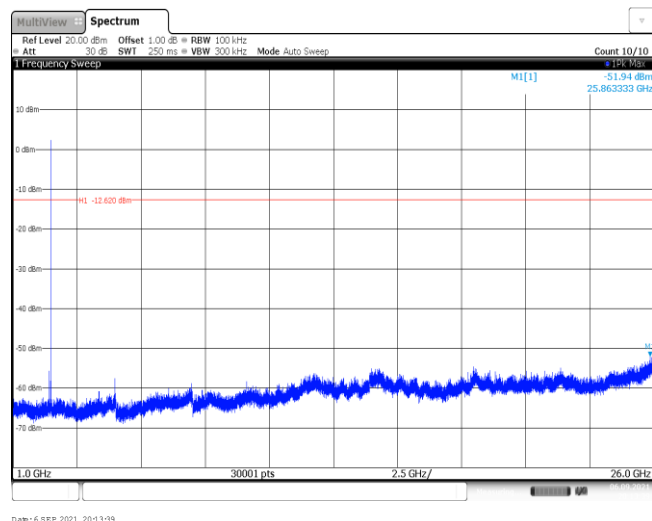
CH78
Reference level



CH78
30MHz~1000MHz



CH78
1GHz~26GHz



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