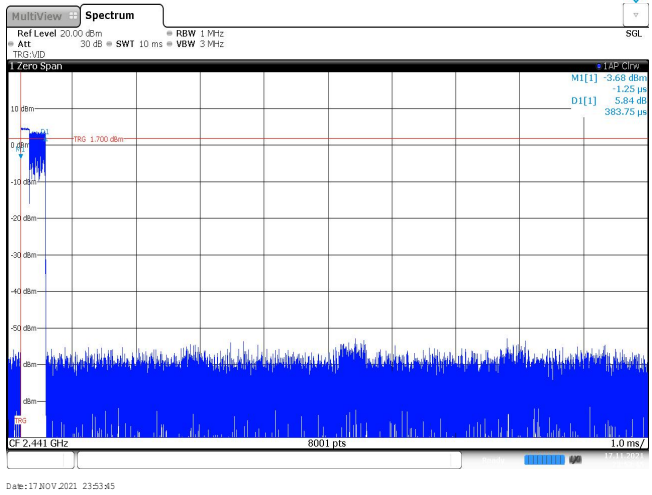
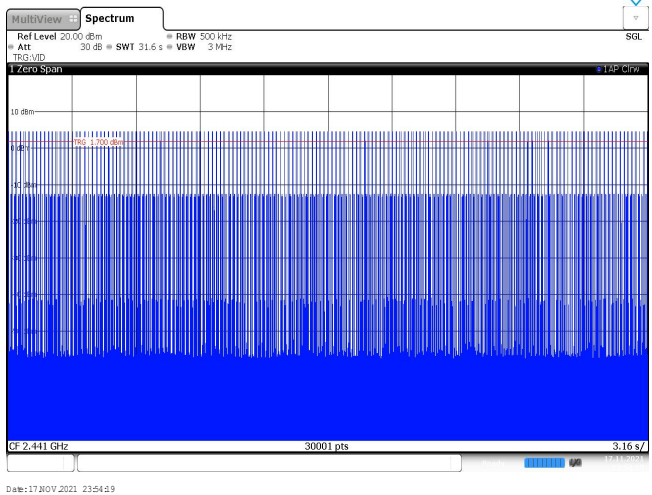
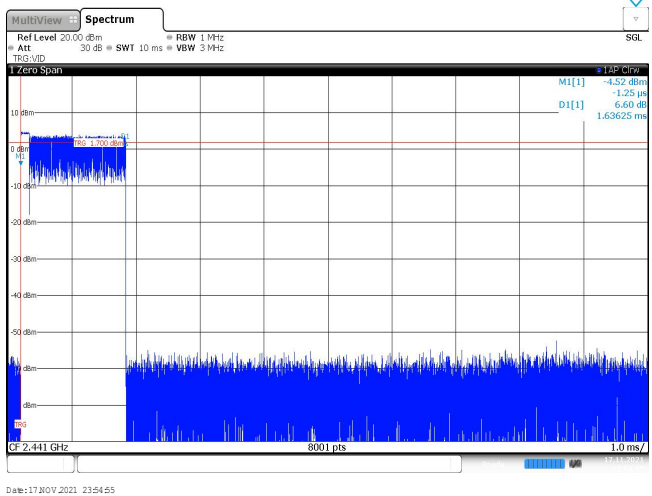
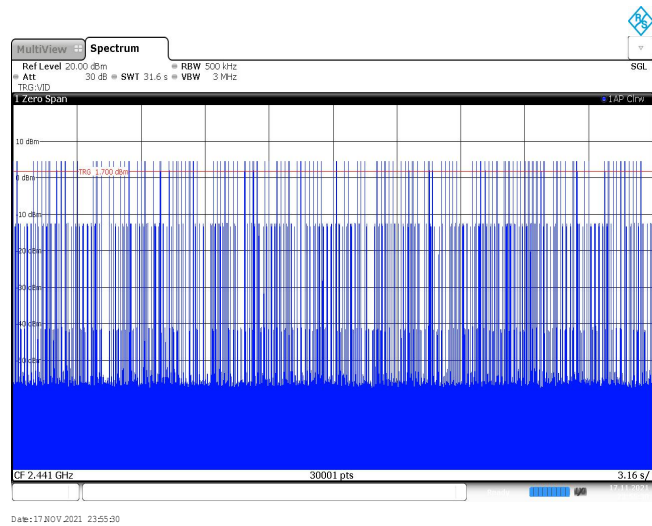
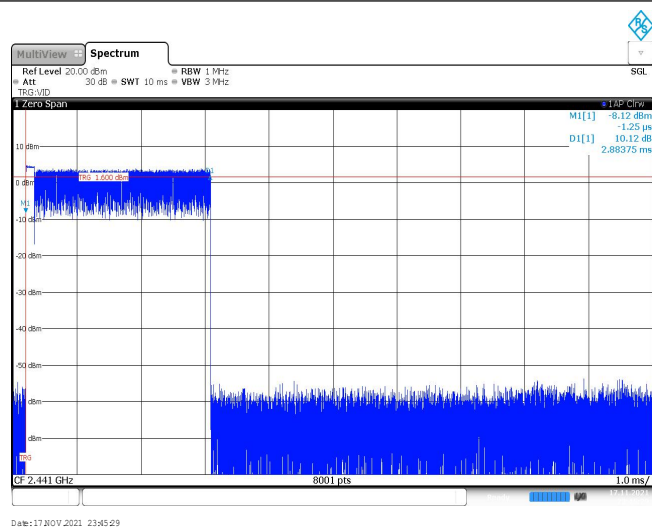


Modulation Type:	$\pi/4$ DQPSK
2DH1 Burst width	 The spectrum plot shows a signal centered at 2.441 GHz. The y-axis represents power in dBm, ranging from -50 to 10. The x-axis represents frequency in MHz, ranging from 2.435 to 2.447. The plot shows a narrowband signal with a peak power of approximately -10 dBm. The signal is identified as 2DH1. The plot includes a reference level of 20.00 dBm, an attenuation of 30 dB, a resolution bandwidth (RBW) of 1 MHz, a sweep time (SWT) of 10 ms, and a video bandwidth (VBW) of 3 MHz. The plot also shows a time span of 1.0 ms and a frequency span of 8001 pts.
2DH1 Burst number	 The spectrum plot shows a signal centered at 2.441 GHz. The y-axis represents power in dBm, ranging from -50 to 10. The x-axis represents frequency in MHz, ranging from 2.435 to 2.447. The plot shows a narrowband signal with a peak power of approximately -10 dBm. The signal is identified as 2DH1. The plot includes a reference level of 20.00 dBm, an attenuation of 30 dB, a resolution bandwidth (RBW) of 500 kHz, a sweep time (SWT) of 31.6 s, and a video bandwidth (VBW) of 3 MHz. The plot also shows a time span of 3.16 s and a frequency span of 30001 pts.
2DH3 Burst width	 The spectrum plot shows a signal centered at 2.441 GHz. The y-axis represents power in dBm, ranging from -50 to 10. The x-axis represents frequency in MHz, ranging from 2.435 to 2.447. The plot shows a narrowband signal with a peak power of approximately -10 dBm. The signal is identified as 2DH3. The plot includes a reference level of 20.00 dBm, an attenuation of 30 dB, a resolution bandwidth (RBW) of 1 MHz, a sweep time (SWT) of 10 ms, and a video bandwidth (VBW) of 3 MHz. The plot also shows a time span of 1.0 ms and a frequency span of 8001 pts.

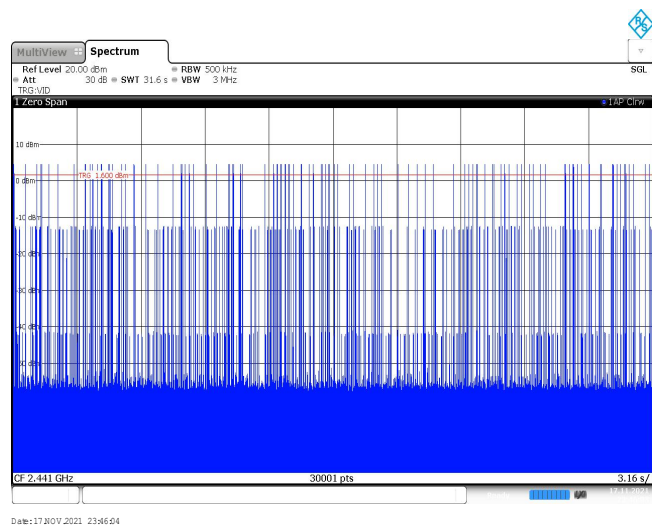
2DH3
Burst number



2DH5
Burst width

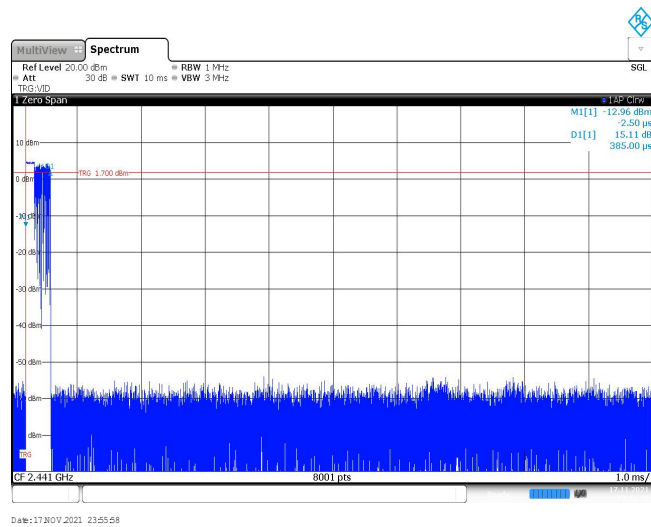
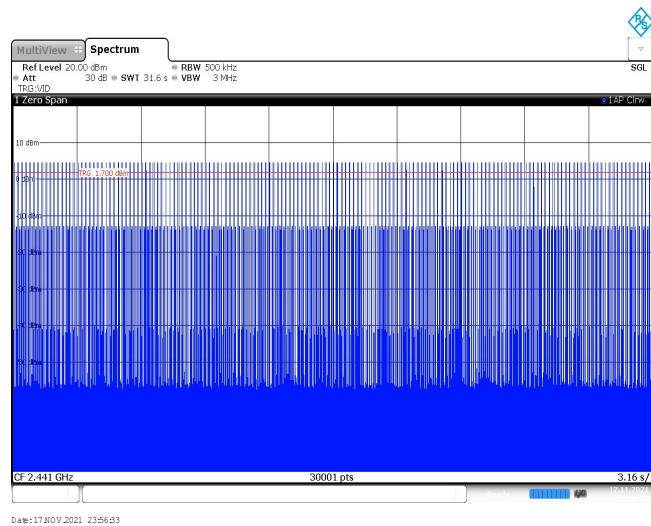
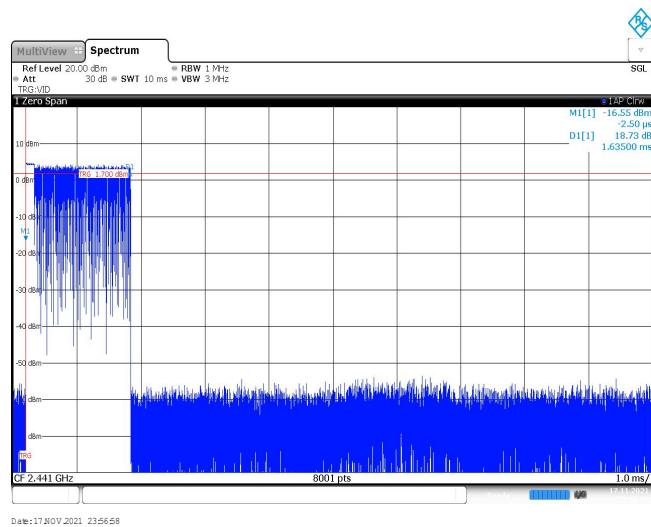


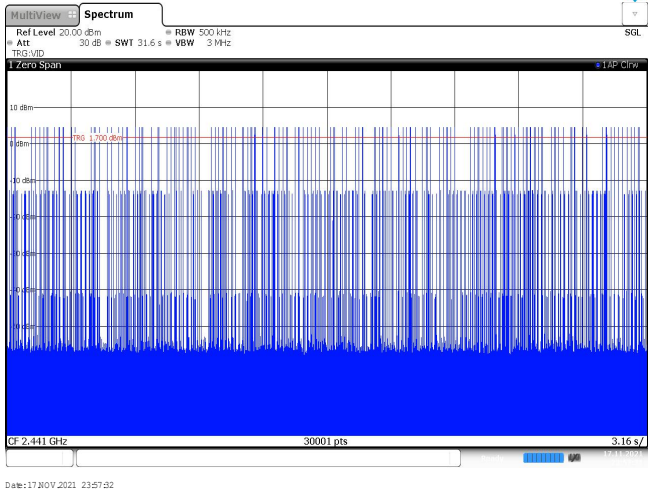
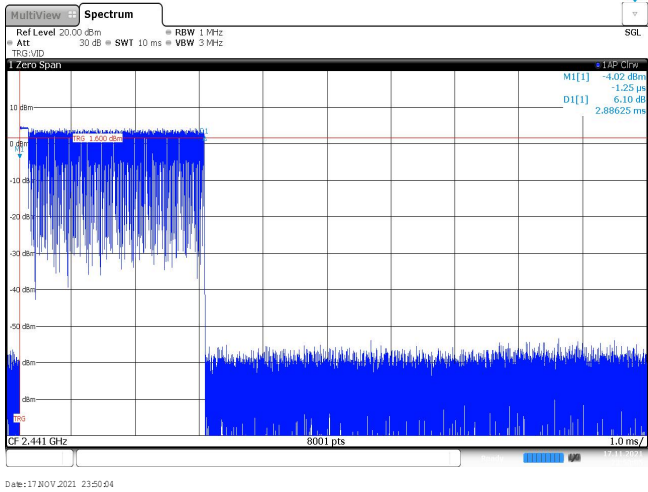
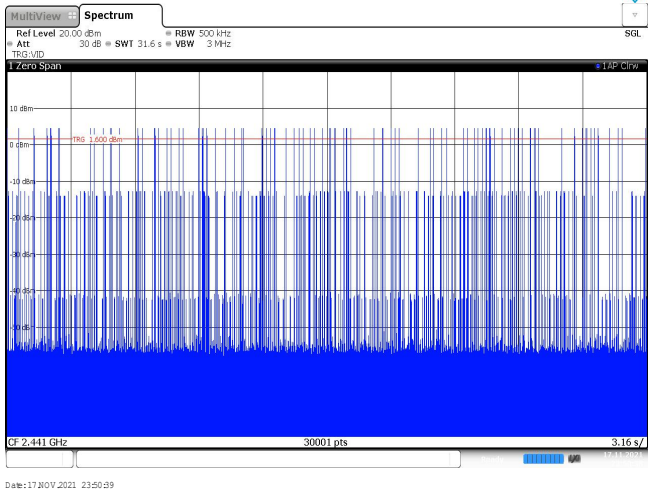
2DH5
Burst number



Modulation Type:

8DPSK

3DH1
Burst width3DH1
Burst number3DH3
Burst width

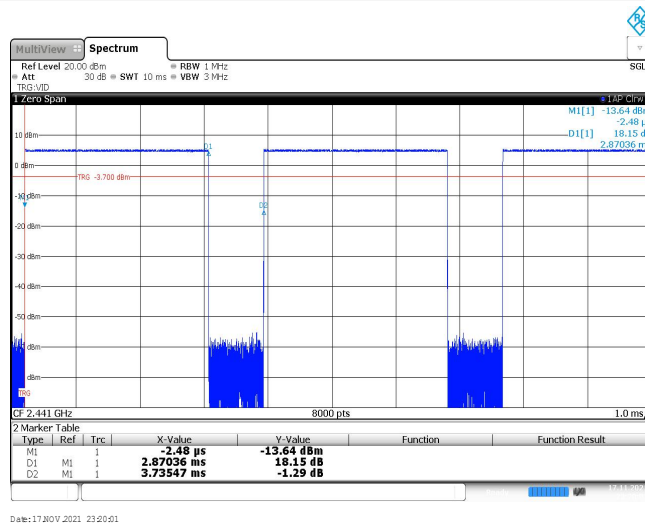
3DH3 Burst number	 The spectrum plot shows a signal centered at 2.441 GHz. The y-axis represents power in dBm, ranging from -10 to 10. The x-axis represents frequency in MHz, ranging from 2.435 to 2.447. The plot shows a dense, noisy signal with a peak level of approximately 0 dBm. The plot is titled 'Spectrum' and includes parameters: Ref Level 20.00 dBm, Att 30 dB, RBW 500 kHz, SWT 31.6 s, VBW 3 MHz. The plot is also labeled 'Zero Span' and '1 Tap Cntrl'.
3DH5 Burst width	 The spectrum plot shows a signal centered at 2.441 GHz. The y-axis represents power in dBm, ranging from -10 to 10. The x-axis represents frequency in MHz, ranging from 2.435 to 2.447. The plot shows a dense, noisy signal with a peak level of approximately 0 dBm. 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 is also labeled 'Zero Span' and '1 Tap Cntrl'. The plot shows a burst of signal with a duration of approximately 1.0 ms.
3DH5 Burst number	 The spectrum plot shows a signal centered at 2.441 GHz. The y-axis represents power in dBm, ranging from -10 to 10. The x-axis represents frequency in MHz, ranging from 2.435 to 2.447. The plot shows a dense, noisy signal with a peak level of approximately 0 dBm. 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 is also labeled 'Zero Span' and '1 Tap Cntrl'.

Appendix G: Duty Cycle Correction Factor (DCCF)**DCCF Calculate Formula**

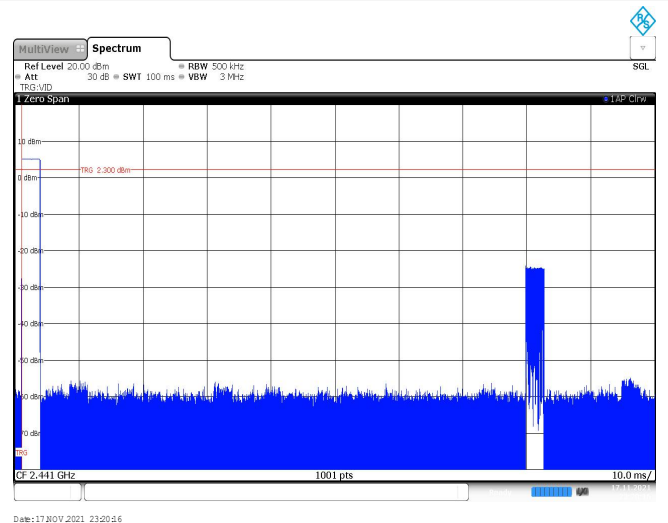
$$\text{DCCF} = 20 * \text{Log}(\text{duty cycle}) = 20 * \text{Log}(T_{\text{on time}} / T_{\text{period}})$$

Modulation type	Test Frequency (MHz)	T _{on time} for single burst [ms]	T _{period} [ms]	Burst Quantity	DCCF [dB]
GFSK	2441	2.87	100	2	-24.82
$\pi/4$ DQPSK	2441	2.87	100	2	-24.82
8DPSK	2441	2.87	100	1	-30.84

GFSK



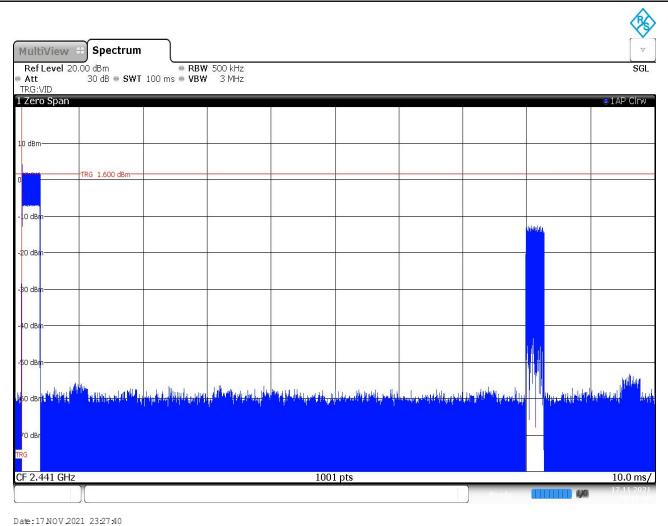
Ton time for single burst



Burst Quantity

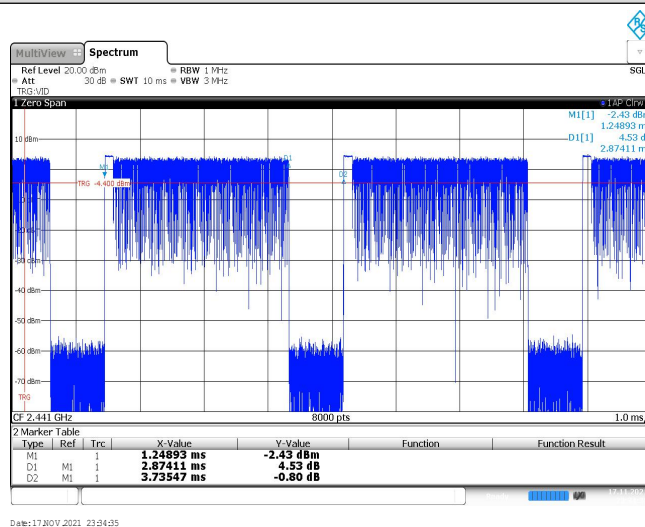
 $\pi/4$ DQPSK

Ton time for single burst

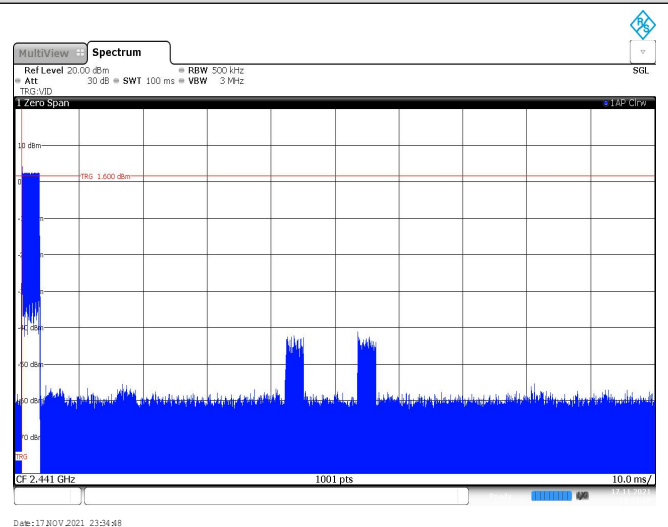


Burst Quantity

8DPSK

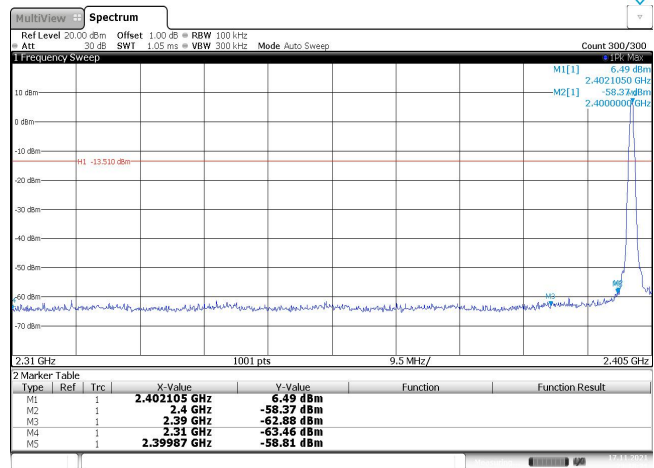
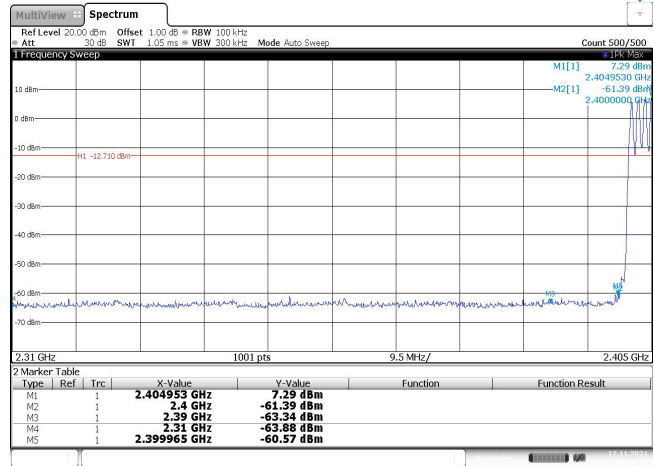
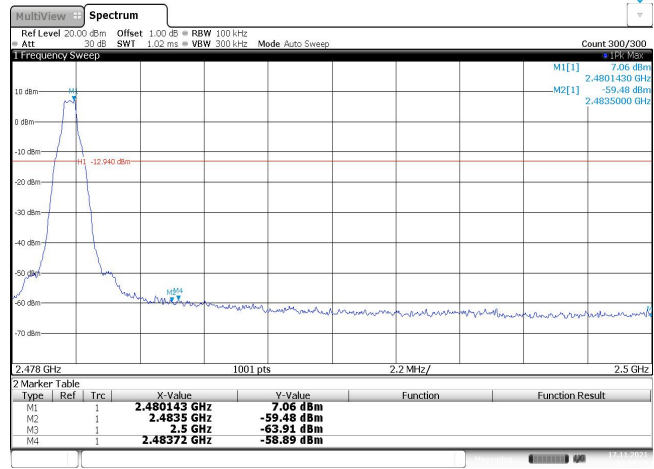


Ton time for single burst

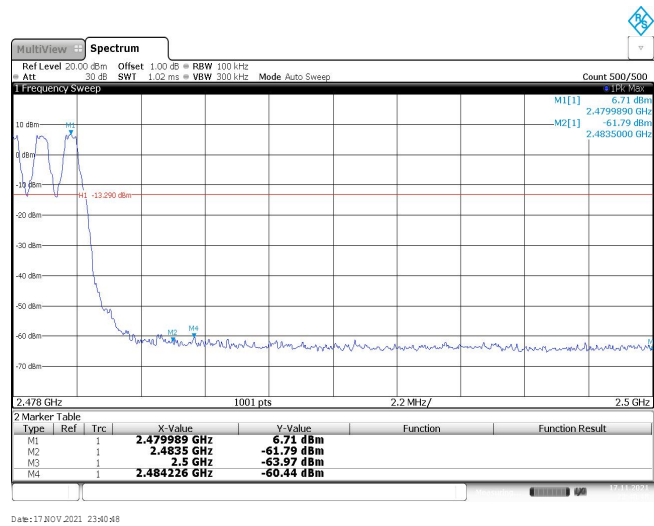


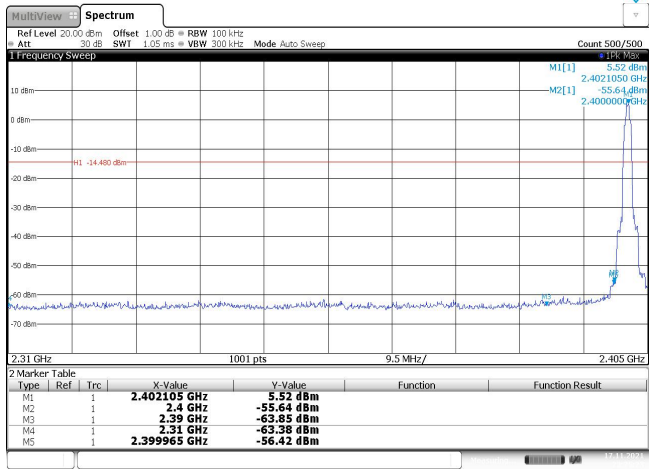
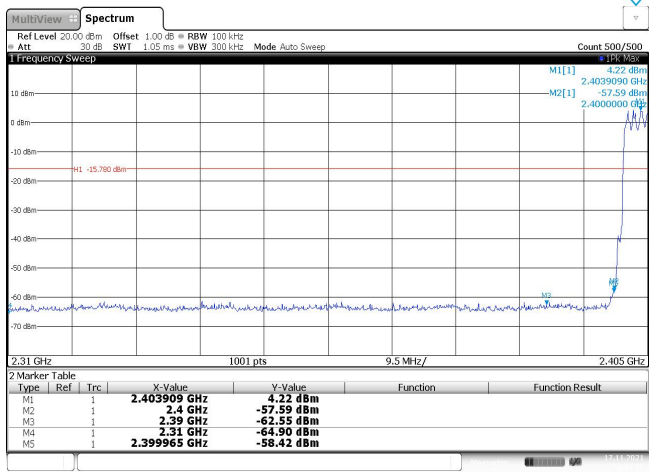
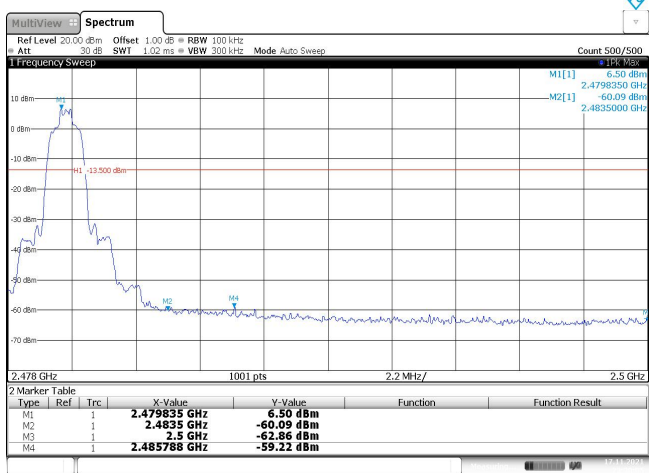
Burst Quantity

Appendix H: Band edge and Spurious Emissions (conducted)

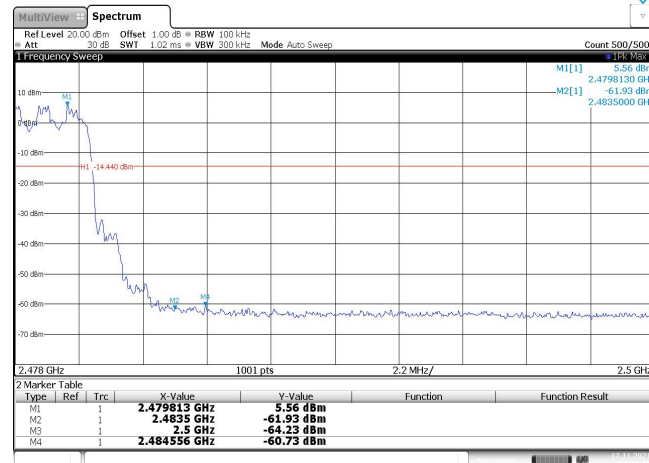
Test Item:	Band edge	Modulation type:	GFSK
CH00 No hopping mode	 Date: 17 NOV 2021 23:18:22		
CH00 Hopping mode	 Date: 17 NOV 2021 23:40:24		
CH78 No hopping mode	 Date: 17 NOV 2021 23:22:49		

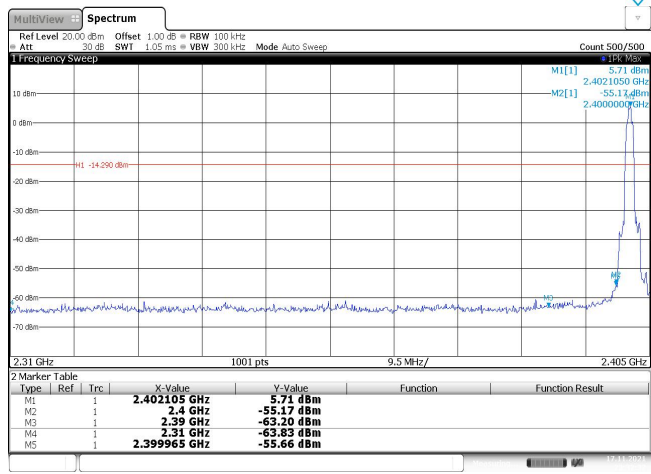
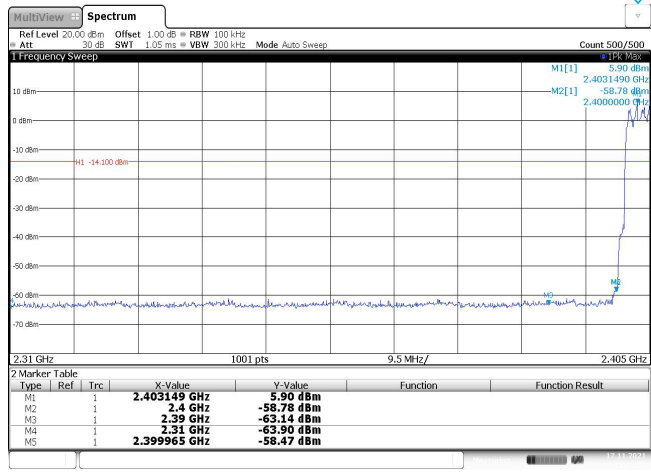
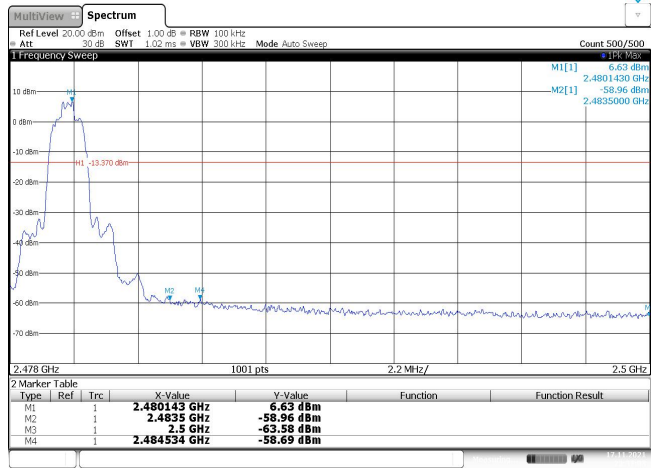
CH78
Hopping mode



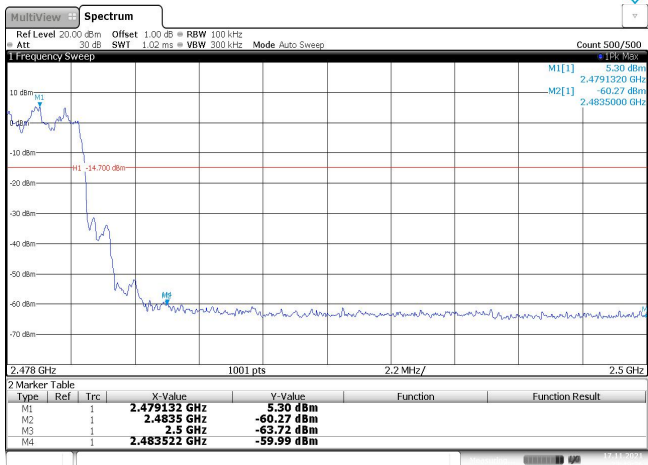
Test Item:	Band edge	Modulation type:	$\pi/4$ DQPSK
CH00 No hopping mode	 MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.05 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1 Frequency Sweep M1[1] -5.52 dBm 2.4021050 GHz M2[1] -55.64 dBm 2.4000000 GHz H1 -14.480 dBm 2.31 GHz 1001 pts 9.5 MHz/ 2.405 GHz 2 Marker Table Type Ref Trc X-Value Y-Value Function Function Result M1 1 2.402105 GHz -5.52 dBm M2 1 2.4 GHz -55.64 dBm M3 1 2.39 GHz -63.85 dBm M4 1 2.31 GHz -63.38 dBm M5 1 2.399965 GHz -56.42 dBm Date: 17 NOV 2021 23:25:22		
CH00 Hopping mode	 MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.05 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1 Frequency Sweep M1[1] -4.22 dBm 2.4039090 GHz M2[1] -57.59 dBm 2.4000000 GHz H1 -15.780 dBm 2.31 GHz 1001 pts 9.5 MHz/ 2.405 GHz 2 Marker Table Type Ref Trc X-Value Y-Value Function Function Result M1 1 2.403909 GHz -4.22 dBm M2 1 2.4 GHz -57.59 dBm M3 1 2.39 GHz -62.55 dBm M4 1 2.31 GHz -64.90 dBm M5 1 2.399965 GHz -58.42 dBm Date: 17 NOV 2021 23:44:31		
CH78 No hopping mode	 MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.02 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1 Frequency Sweep M1[1] -6.50 dBm 2.4798350 GHz M2[1] -60.09 dBm 2.4835000 GHz H1 -13.500 dBm 2.478 GHz 1001 pts 2.2 MHz/ 2.5 GHz 2 Marker Table Type Ref Trc X-Value Y-Value Function Function Result M1 1 2.479835 GHz -6.50 dBm M2 1 2.4835 GHz -60.09 dBm M3 1 2.5 GHz -62.86 dBm M4 1 2.485788 GHz -59.22 dBm Date: 17 NOV 2021 23:50:25		

CH78
Hopping mode

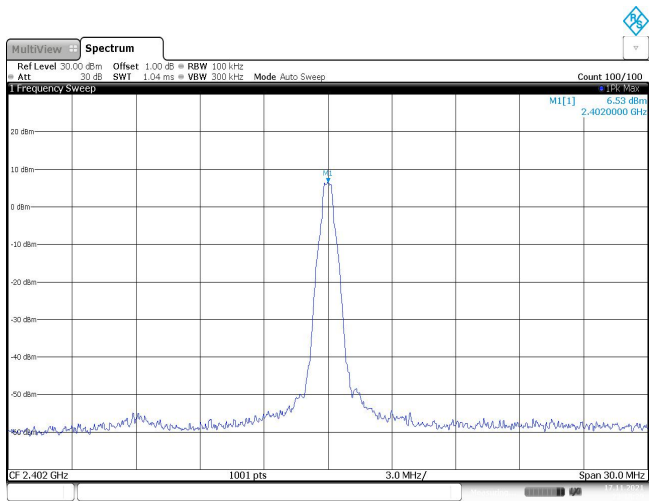
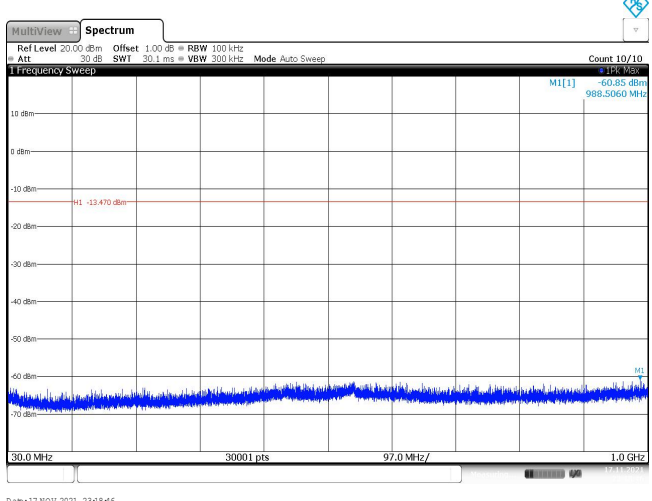
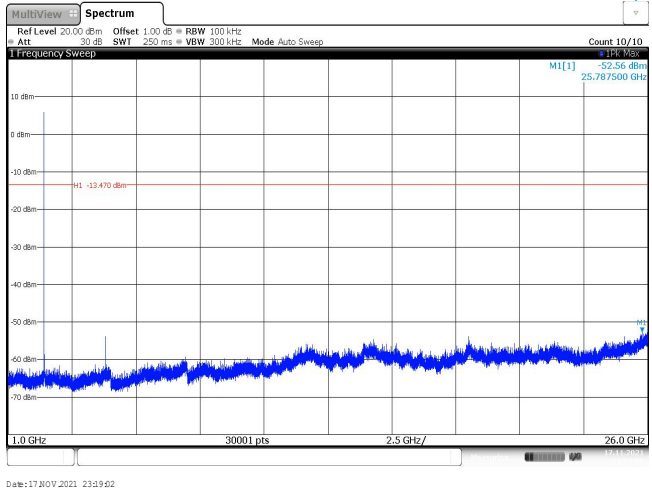


Test Item:	Band edge	Modulation type:	8DPSK																																										
CH00 No hopping mode	<table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-Value</th><th>Y-Value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>2.402105 GHz</td><td>-5.71 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-55.17 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-63.20 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-63.83 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399965 GHz</td><td>-55.66 dBm</td><td></td><td></td></tr></table> Date: 17 NOV 2021 23:32:32			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.402105 GHz	-5.71 dBm			M2	1		2.4 GHz	-55.17 dBm			M3	1		2.39 GHz	-63.20 dBm			M4	1		2.31 GHz	-63.83 dBm			M5	1		2.399965 GHz	-55.66 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.402105 GHz	-5.71 dBm																																									
M2	1		2.4 GHz	-55.17 dBm																																									
M3	1		2.39 GHz	-63.20 dBm																																									
M4	1		2.31 GHz	-63.83 dBm																																									
M5	1		2.399965 GHz	-55.66 dBm																																									
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>2.403149 GHz</td><td>-5.90 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-58.78 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-63.14 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>2.399965 GHz</td><td>-58.47 dBm</td><td></td><td></td></tr></table> Date: 17 NOV 2021 23:49:09			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.403149 GHz	-5.90 dBm			M2	1		2.4 GHz	-58.78 dBm			M3	1		2.39 GHz	-63.14 dBm			M4	1		2.31 GHz	-63.90 dBm			M5	1		2.399965 GHz	-58.47 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.403149 GHz	-5.90 dBm																																									
M2	1		2.4 GHz	-58.78 dBm																																									
M3	1		2.39 GHz	-63.14 dBm																																									
M4	1		2.31 GHz	-63.90 dBm																																									
M5	1		2.399965 GHz	-58.47 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>2.480143 GHz</td><td>-6.63 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-58.96 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-63.58 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.484534 GHz</td><td>-58.69 dBm</td><td></td><td></td></tr></table> Date: 17 NOV 2021 23:37:23			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.480143 GHz	-6.63 dBm			M2	1		2.4835 GHz	-58.96 dBm			M3	1		2.5 GHz	-63.58 dBm			M4	1		2.484534 GHz	-58.69 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.480143 GHz	-6.63 dBm																																									
M2	1		2.4835 GHz	-58.96 dBm																																									
M3	1		2.5 GHz	-63.58 dBm																																									
M4	1		2.484534 GHz	-58.69 dBm																																									

CH78
Hoppig mode



Date: 17 NOV 2021 23:49:26

Test Item:	Spurious Emission	Modulation type:	GFSK
CH00 Reference level	 Date: 17 NOV 2021 23:28:29		
CH00 30MHz~1000MHz	 Date: 17 NOV 2021 23:28:46		
CH00 1GHz~26GHz	 Date: 17 NOV 2021 23:29:02		