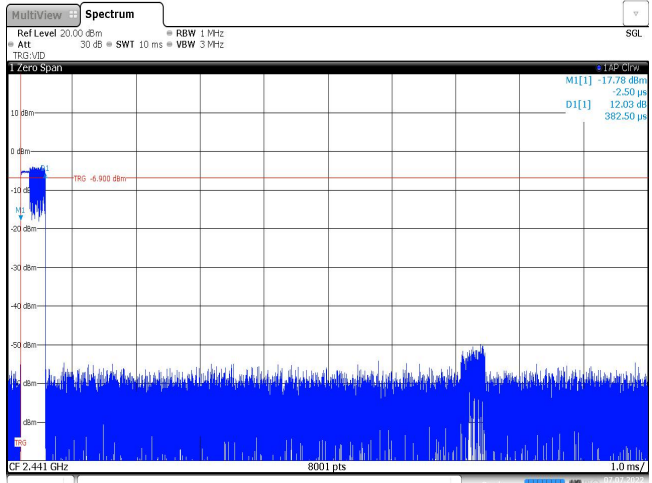
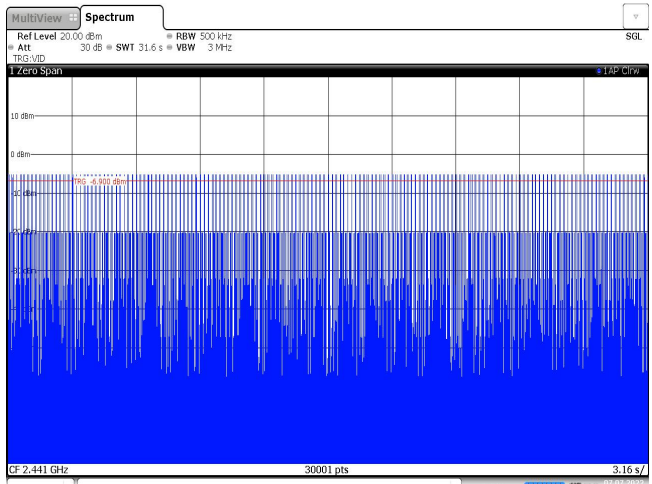
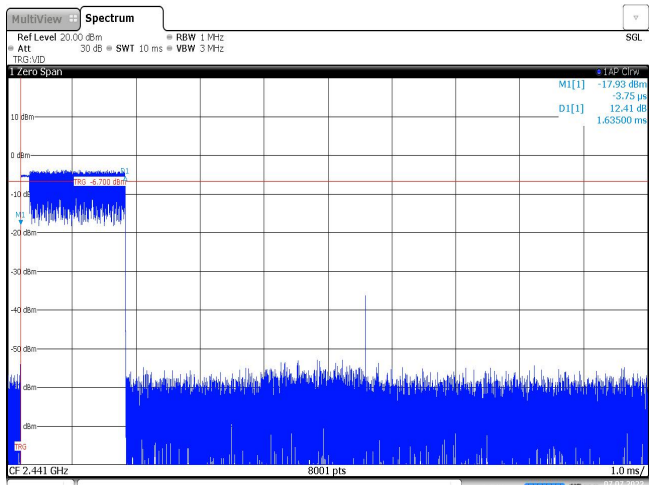
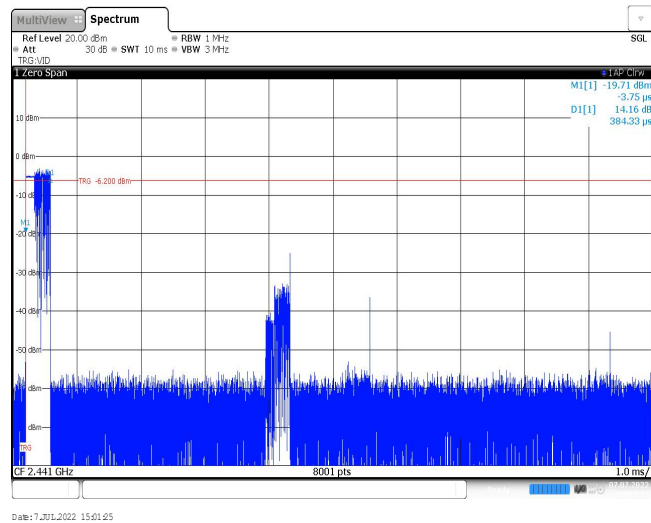
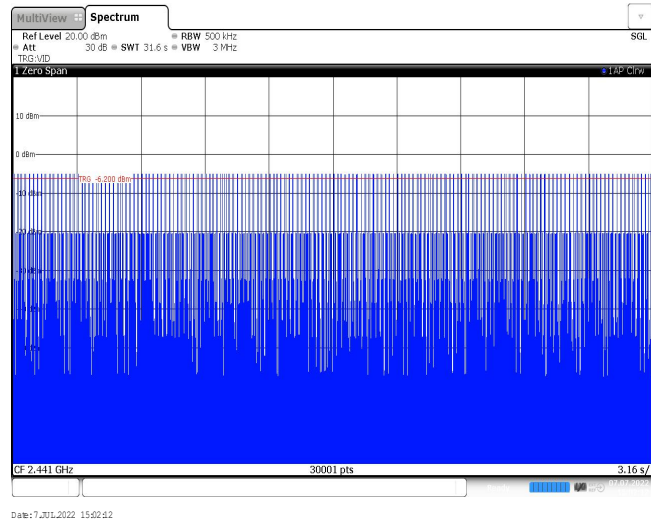
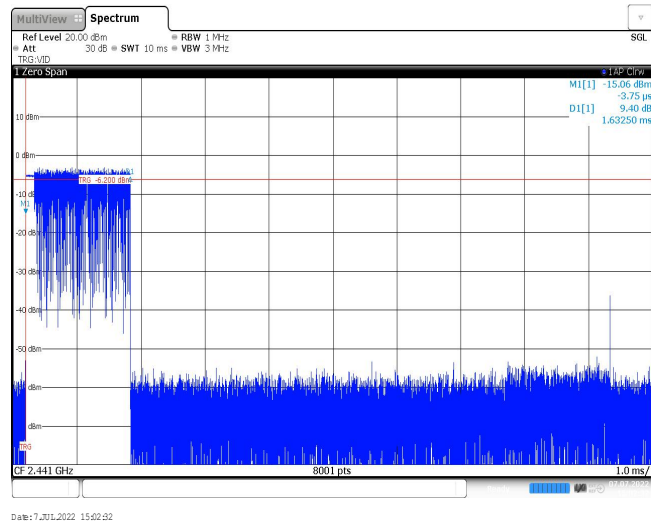


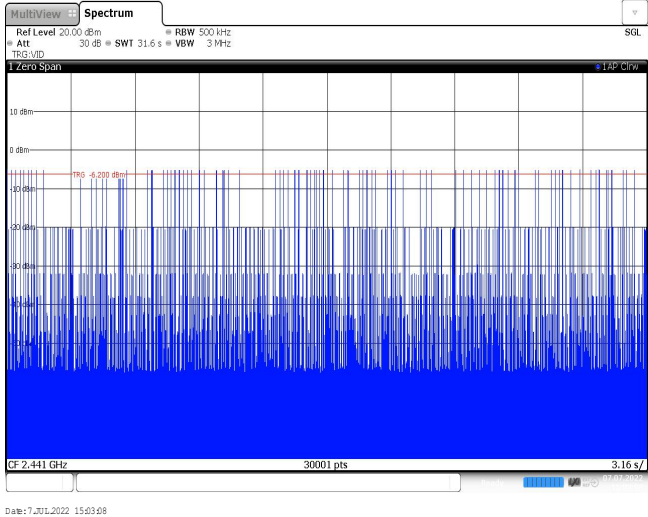
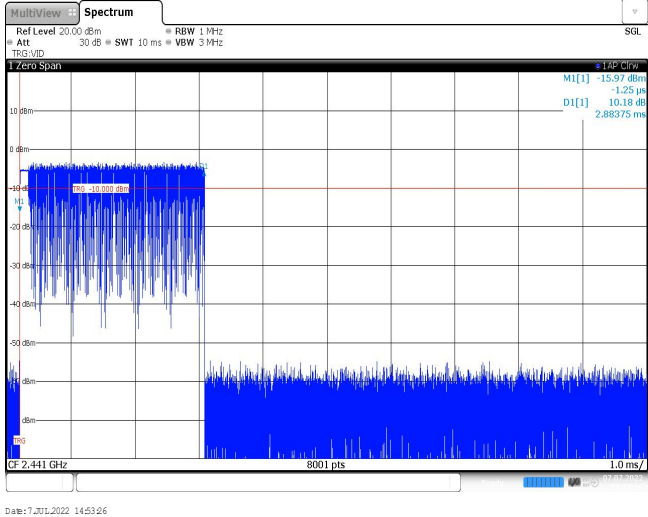
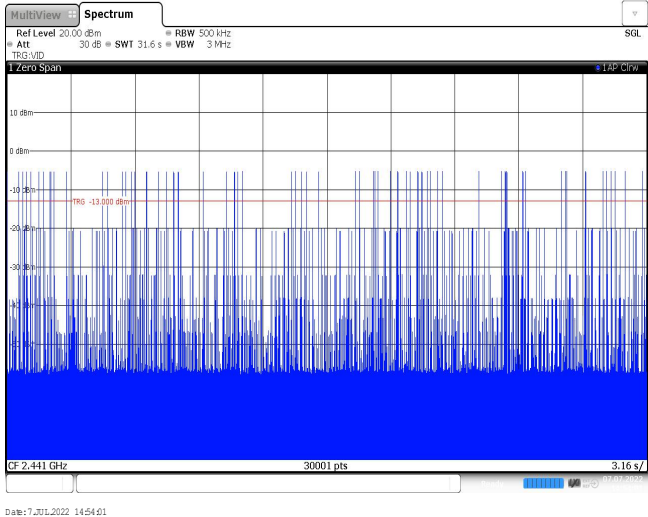
Modulation Type:	$\pi/4$ DQPSK
2DH1 Burst width	 The spectrum plot shows a signal at 2.441 GHz with a bandwidth of 8001 pts. The y-axis represents power in dBm, ranging from -60 to 10. The x-axis represents time in ms, ranging from 0 to 1.0. The plot shows a burst of signal at the beginning, followed by a period of low power. The signal is identified as 2DH1. Ref Level 20.00 dBm Att 30 dB RBW 1 MHz SWT 10 ms VBW 3 MHz 1 Zero Span CF 2.441 GHz 8001 pts 1.0 ms Date: 7 JUL 2022 14:57:50
2DH1 Burst number	 The spectrum plot shows a signal at 2.441 GHz with a bandwidth of 30001 pts. The y-axis represents power in dBm, ranging from -60 to 10. The x-axis represents time in s, ranging from 0 to 3.16. The plot shows a burst of signal at the beginning, followed by a period of low power. The signal is identified as 2DH1. Ref Level 20.00 dBm Att 30 dB RBW 500 kHz SWT 31.6 s VBW 3 MHz 1 Zero Span CF 2.441 GHz 30001 pts 3.16 s Date: 7 JUL 2022 14:58:25
2DH3 Burst width	 The spectrum plot shows a signal at 2.441 GHz with a bandwidth of 8001 pts. The y-axis represents power in dBm, ranging from -60 to 10. The x-axis represents time in ms, ranging from 0 to 1.0. The plot shows a burst of signal at the beginning, followed by a period of low power. The signal is identified as 2DH3. Ref Level 20.00 dBm Att 30 dB RBW 1 MHz SWT 10 ms VBW 3 MHz 1 Zero Span CF 2.441 GHz 8001 pts 1.0 ms Date: 7 JUL 2022 14:58:55

Appendix report page: 22 of 41

Modulation Type:

8DPSK

3DH1
Burst width3DH1
Burst number3DH3
Burst width

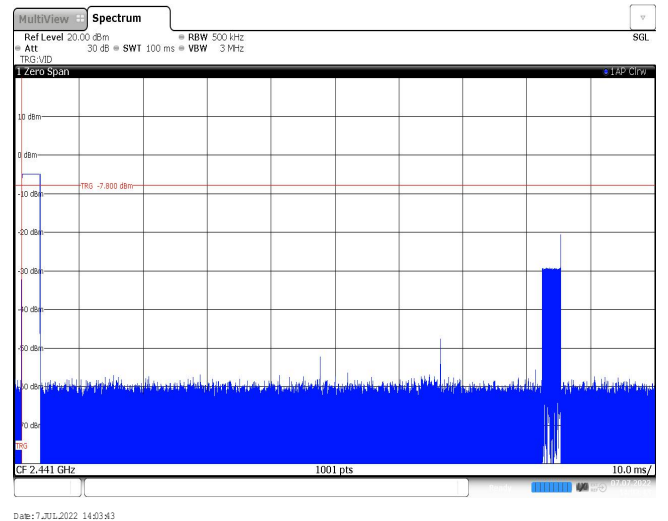
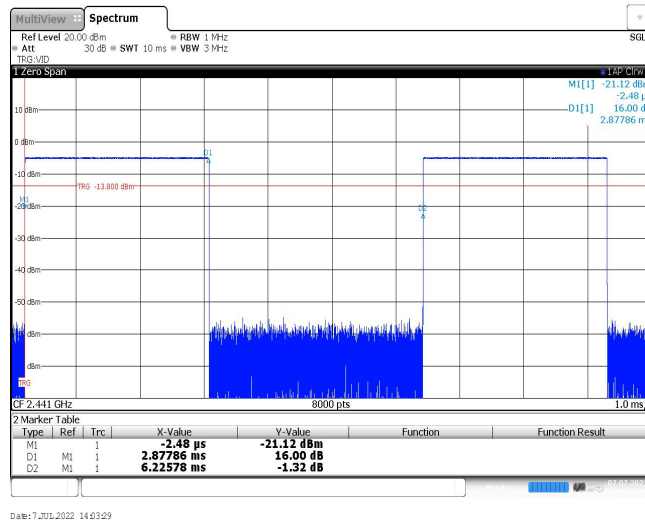
3DH3 Burst number	 The spectrum plot shows a dense signal across the frequency range from 2.441 GHz to 3.165 GHz. The y-axis represents power in dBm, ranging from -40 to 10. The x-axis represents frequency in GHz. The plot is titled 'Spectrum' and includes parameters: Ref Level 20.00 dBm, Att 30 dB, RBW 500 kHz, and VSW 3 MHz. The signal is centered around 2.441 GHz.
3DH5 Burst width	 The spectrum plot shows a signal burst between 2.441 GHz and 2.89375 GHz. The y-axis represents power in dBm, ranging from -40 to 10. The x-axis represents frequency in GHz. The plot is titled 'Spectrum' and includes parameters: Ref Level 20.00 dBm, Att 30 dB, RBW 1 MHz, and VSW 3 MHz. The signal is centered around 2.441 GHz.
3DH5 Burst number	 The spectrum plot shows a dense signal across the frequency range from 2.441 GHz to 3.165 GHz. The y-axis represents power in dBm, ranging from -40 to 10. The x-axis represents frequency in GHz. The plot is titled 'Spectrum' and includes parameters: Ref Level 20.00 dBm, Att 30 dB, RBW 500 kHz, and VSW 3 MHz. The signal is centered around 2.441 GHz.

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

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

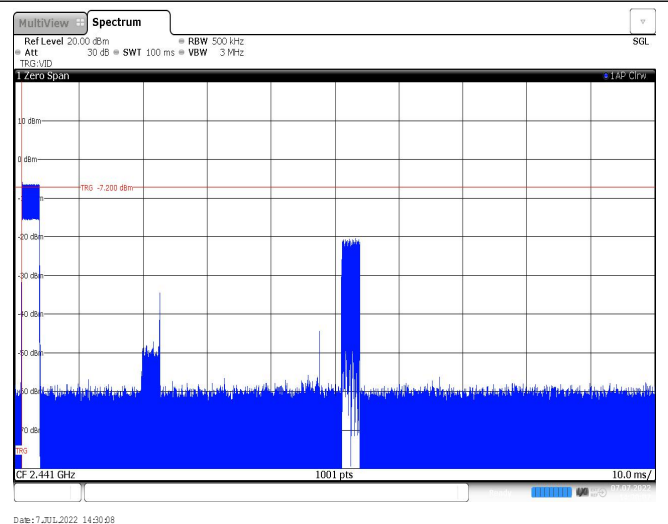
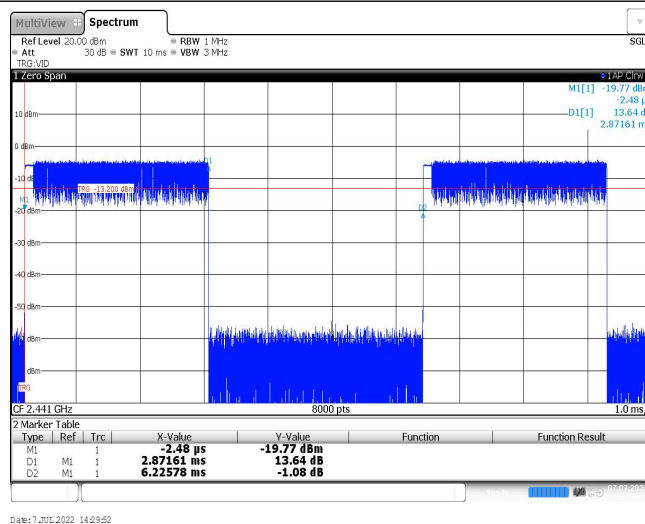
Modulation type	Test Frequency (MHz)	T _{on time} for single burst [ms]	T _{period} [ms]	Burst Quantity	DCCF [dB]
GFSK	2441	2.88	100	2	-24.79
$\pi/4$ DQPSK	2441	2.87	100	2	-24.82
8DPSK	2441	2.87	100	1	-30.84

GFSK



Ton time for single burst

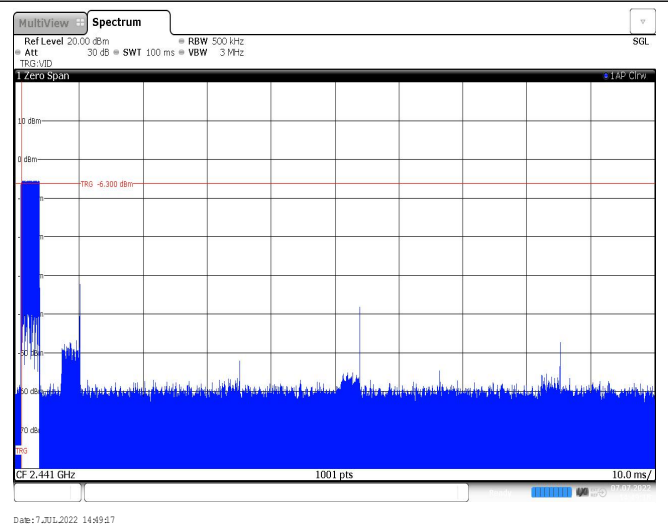
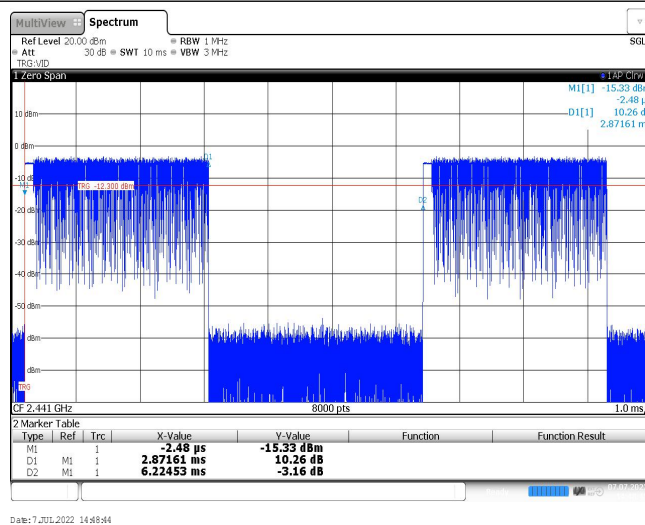
Burst Quantity

 $\pi/4$ 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	MultiViewSpectrum Ref Level 20.00 dBm Offset 7.00 dB RBW 100 kHz Att 30 dB SWT 1.05 ms VBW 300 kHz Mode Auto Sweep Count 300/300 1 Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1 [1] 0.71 dBm M2 [1] 2.401621 GHz -39.05 dBm M3 [1] 2.400000 GHz -39.48 dBm 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>2.401621 GHz</td><td>0.71 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-39.05 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-57.88 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-58.20 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399965 GHz</td><td>-39.48 dBm</td><td></td><td></td></tr></table> Date: 7 JUL 2022 13:57:00			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.401621 GHz	0.71 dBm			M2	1		2.4 GHz	-39.05 dBm			M3	1		2.39 GHz	-57.88 dBm			M4	1		2.31 GHz	-58.20 dBm			M5	1		2.399965 GHz	-39.48 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.401621 GHz	0.71 dBm																																									
M2	1		2.4 GHz	-39.05 dBm																																									
M3	1		2.39 GHz	-57.88 dBm																																									
M4	1		2.31 GHz	-58.20 dBm																																									
M5	1		2.399965 GHz	-39.48 dBm																																									
CH00 Hopping mode	MultiViewSpectrum Ref Level 20.00 dBm Offset 7.00 dB RBW 100 kHz Att 30 dB SWT 1.05 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1 Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1 [1] 1.10 dBm M2 [1] 2.402105 GHz -55.85 dBm M3 [1] 2.400000 GHz -58.37 dBm 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>2.402105 GHz</td><td>1.10 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-55.85 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-58.37 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-58.92 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.398445 GHz</td><td>-50.26 dBm</td><td></td><td></td></tr></table> Date: 7 JUL 2022 14:06:12			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.402105 GHz	1.10 dBm			M2	1		2.4 GHz	-55.85 dBm			M3	1		2.39 GHz	-58.37 dBm			M4	1		2.31 GHz	-58.92 dBm			M5	1		2.398445 GHz	-50.26 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.402105 GHz	1.10 dBm																																									
M2	1		2.4 GHz	-55.85 dBm																																									
M3	1		2.39 GHz	-58.37 dBm																																									
M4	1		2.31 GHz	-58.92 dBm																																									
M5	1		2.398445 GHz	-50.26 dBm																																									
CH78 No hopping mode	MultiViewSpectrum Ref Level 20.00 dBm Offset 7.00 dB RBW 100 kHz Att 30 dB SWT 1.02 ms VBW 300 kHz Mode Auto Sweep Count 300/300 1 Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1 [1] 2.83 dBm M2 [1] 2.480165 GHz -45.85 dBm M3 [1] 2.483500 GHz -58.62 dBm 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>2.480165 GHz</td><td>2.83 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-45.85 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-58.62 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.483654 GHz</td><td>-46.40 dBm</td><td></td><td></td></tr></table> Date: 7 JUL 2022 13:59:54			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.480165 GHz	2.83 dBm			M2	1		2.4835 GHz	-45.85 dBm			M3	1		2.5 GHz	-58.62 dBm			M4	1		2.483654 GHz	-46.40 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.480165 GHz	2.83 dBm																																									
M2	1		2.4835 GHz	-45.85 dBm																																									
M3	1		2.5 GHz	-58.62 dBm																																									
M4	1		2.483654 GHz	-46.40 dBm																																									

MultiView | **Spectrum**

Ref Level 20.00 dBm Offset 7.00 dB BW RBW 100 kHz
 Att 30 dB SWT 1.02 ms VBW 300 kHz Mode Auto Sweep Count 500/500

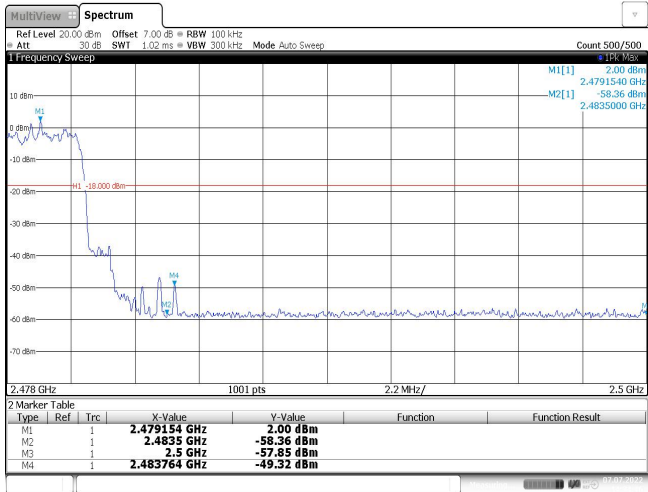
1 Frequency Sweep

2.478 GHz 1001 pts 2.2 MHz/ 2.5 GHz

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		2.480165 GHz	2.80 dBm		
M2	1		2.4835 GHz	-57.58 dBm		
M3	1		2.5 GHz	-58.38 dBm		
M4	1		2.48438 GHz	-51.74 dBm		

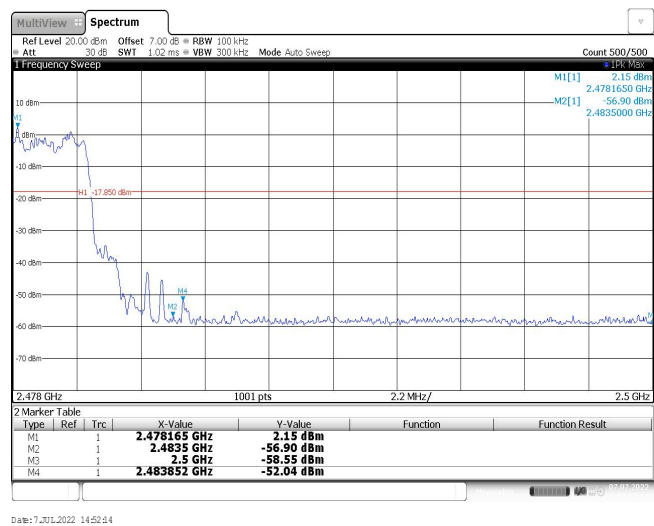
Test Item:	Band edge	Modulation type:	$\pi/4$ DQPSK
CH00 No hopping mode	</		

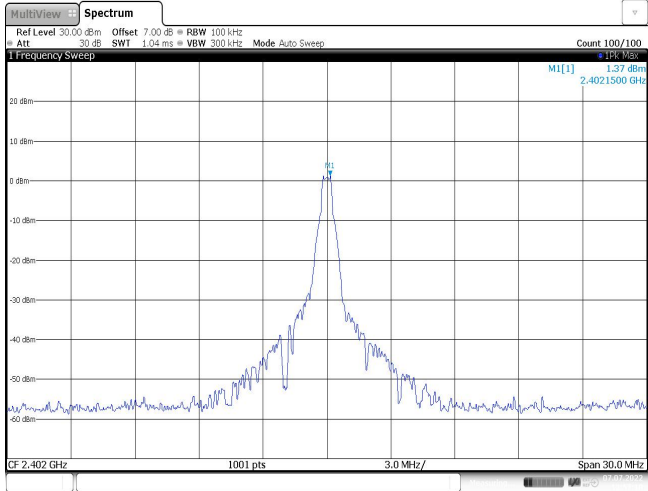
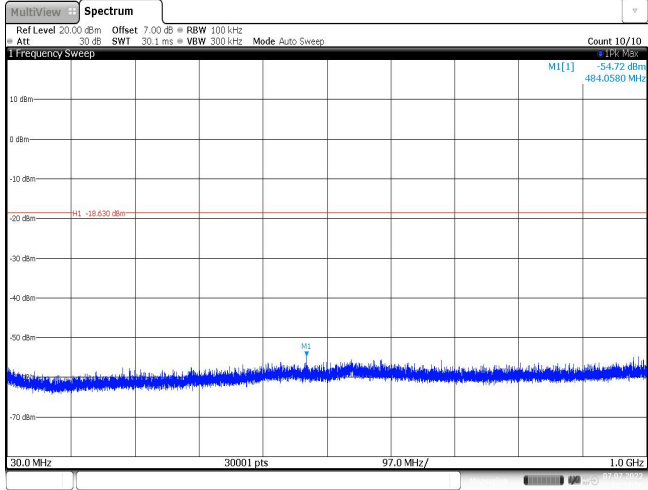
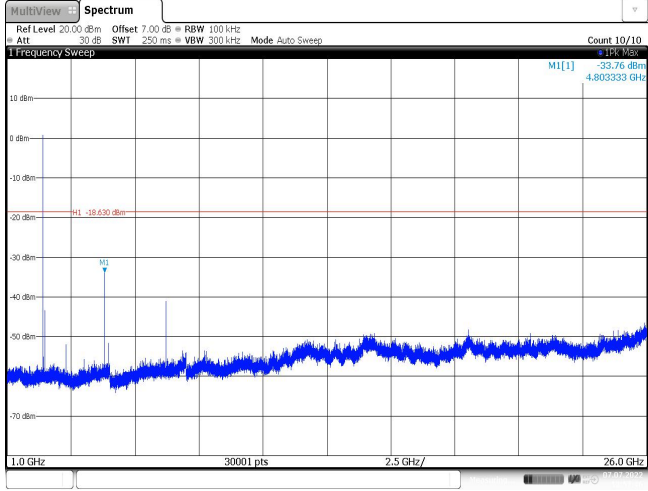
CH78
Hopping mode



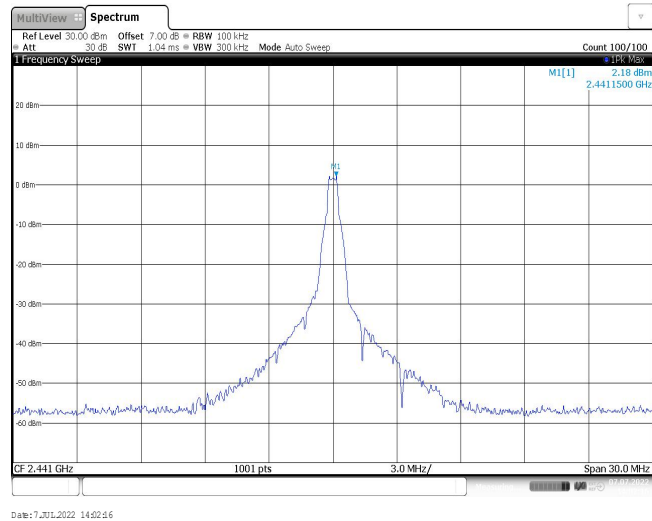
Test Item:	Band edge	Modulation type:	8DPSK
CH00 No hopping mode	<		

CH78
Hoppig mode

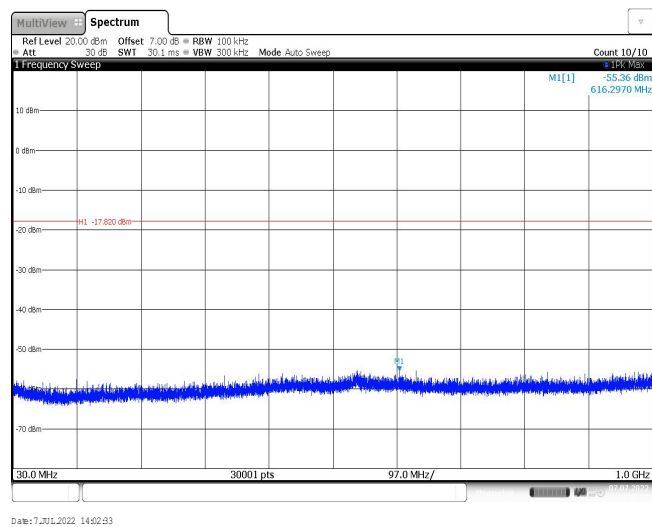


Test Item:	Spurious Emission	Modulation type:	GFSK
CH00 Reference level			
CH00 30MHz~1000MHz			
CH00 1GHz~26GHz			

CH39
Reference level



CH39
30MHz~1000MHz



CH39
1GHz~26GHz

