

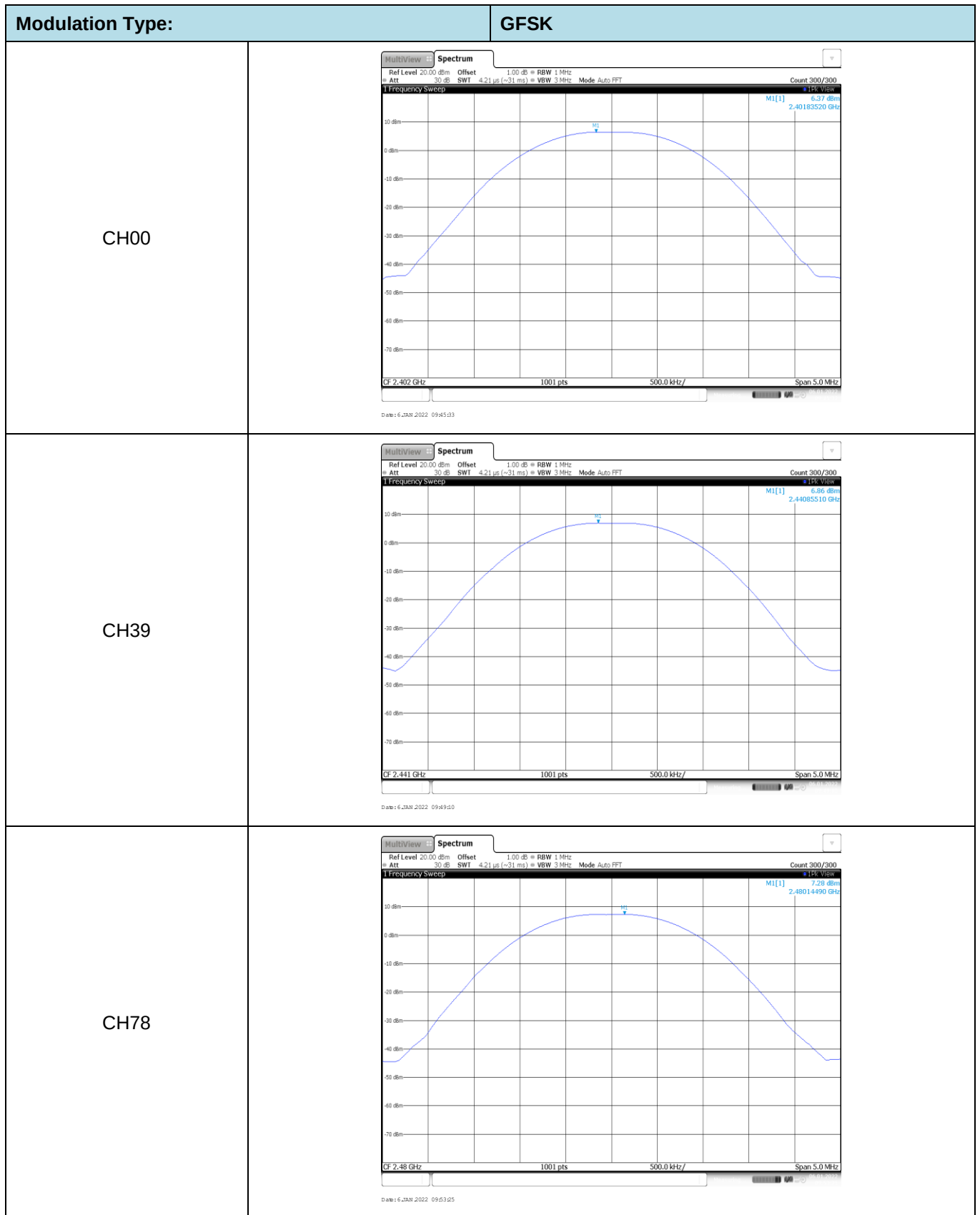
APPENDIX REPORT

Project No.	SHT2112096501EW	Radio Specification	Bluetooth EDR
Test sample No.	YPHT21120965003	Model No.	Satelital Q
Start test date	2022-01-06	Finish date	2022-01-06
Temperature	24.1℃	Humidity	55%
Test Engineer	Hailey Chen	Auditor	Xiaodong Zheo

Appendix clause	Test item	Result
A	Peak Output Power	PASS
B	20 dB Bandwidth	PASS
C	99% Occupied Bandwidth	PASS
D	Carrier Frequencies Separation	PASS
E	Hopping Channel Number	PASS
F	Dwell Time	PASS
G	Duty Cycle Correction Factor (DCCF)	PASS
H	Band edge and Spurious Emissions(coducted)	PASS

Appendix A: Peak Output Power

Modulation type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
GFSK	00	6.37	6.32	≤ 30.00	Pass
	39	6.86	6.83		
	78	7.28	7.23		
$\pi/4$ DQPSK	00	5.53	4.93	≤ 21.00	Pass
	39	6.00	5.37		
	78	6.66	5.85		
8DPSK	00	5.86	5.16	≤ 21.00	Pass
	39	6.28	5.56		
	78	6.72	6.06		

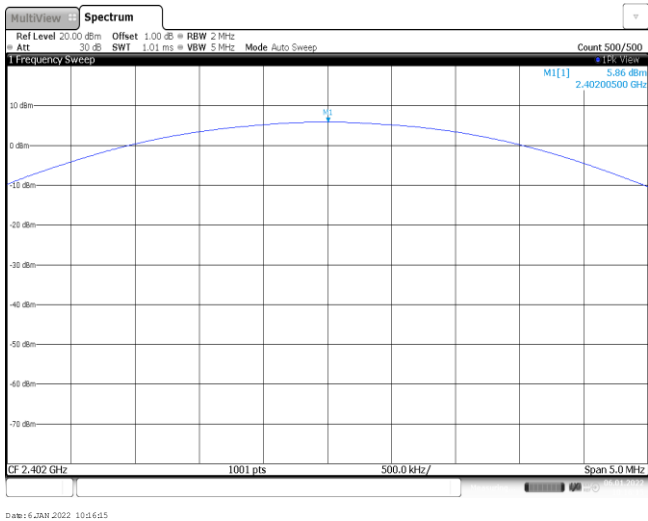


Modulation Type: $\pi/4$ DQPSK	
CH00	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 2 MHz Att 30 dB SWT 1.01 ms VBW 5 MHz Mode Auto Sweep Count 500/500 1 Frequency Sweep M1[1] 5.53 dBm 2.40208990 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.402 GHz 1001 pts 500.0 kHz/ Span 5.0 MHz Date: 6 JAN 2022 10:06:59
CH39	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 2 MHz Att 30 dB SWT 1.01 ms VBW 5 MHz Mode Auto Sweep Count 500/500 1 Frequency Sweep M1[1] 6.00 dBm 2.44110490 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.441 GHz 1001 pts 500.0 kHz/ Span 5.0 MHz Date: 6 JAN 2022 10:00:07
CH78	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 2 MHz Att 30 dB SWT 1.01 ms VBW 5 MHz Mode Auto Sweep Count 500/500 1 Frequency Sweep M1[1] 6.66 dBm 2.47981520 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.48 GHz 1001 pts 500.0 kHz/ Span 5.0 MHz Date: 6 JAN 2022 10:03:49

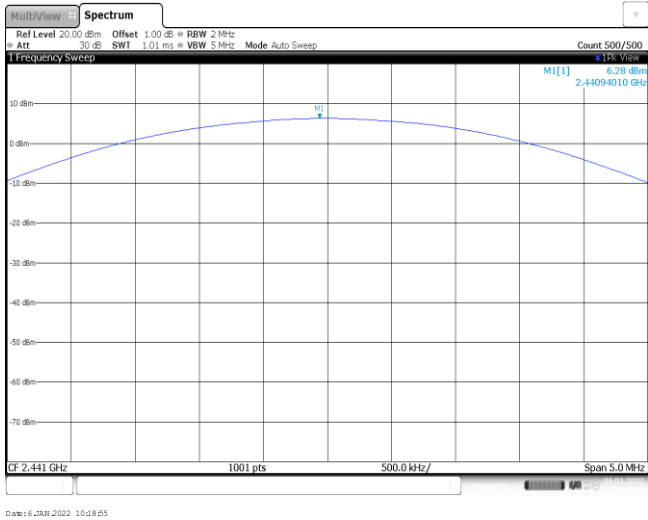
Modulation Type:

8DPSK

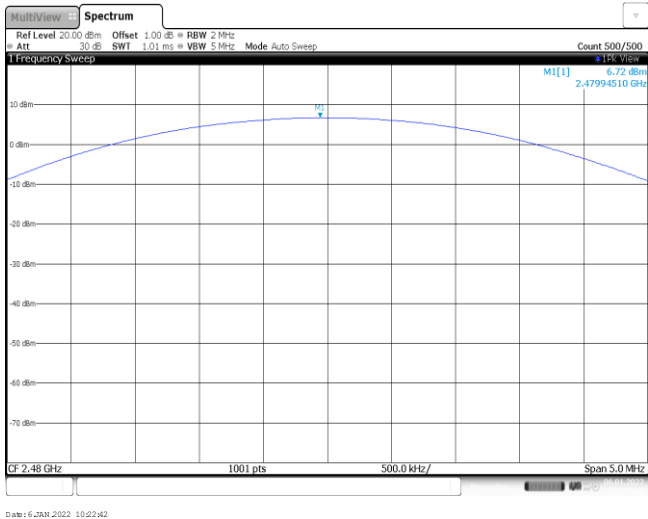
CH00



CH39



CH78



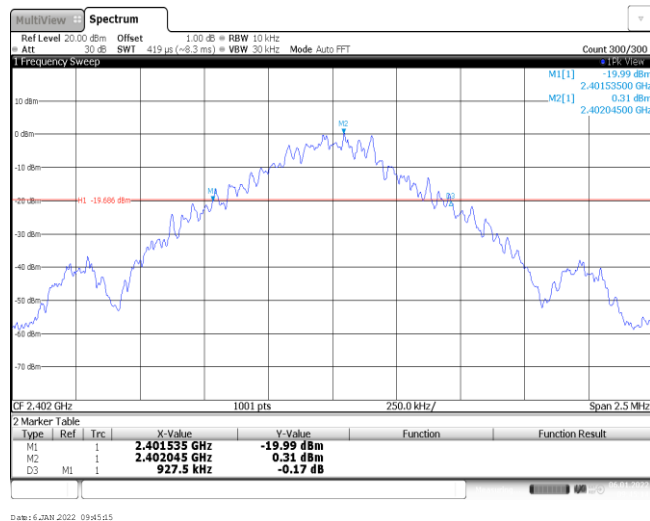
Appendix B : 20 dB Bandwidth

Modulation type	Channel	20 dB Bandwidth (kHz)	Limit (kHz)	Result
GFSK	00	927.50	-	Pass
	39	930.00		
	78	935.00		
$\pi/4$ DQPSK	00	1287.50	-	Pass
	39	1287.50		
	78	1297.50		
8DPSK	00	1305.00	-	Pass
	39	1295.00		
	78	1280.00		

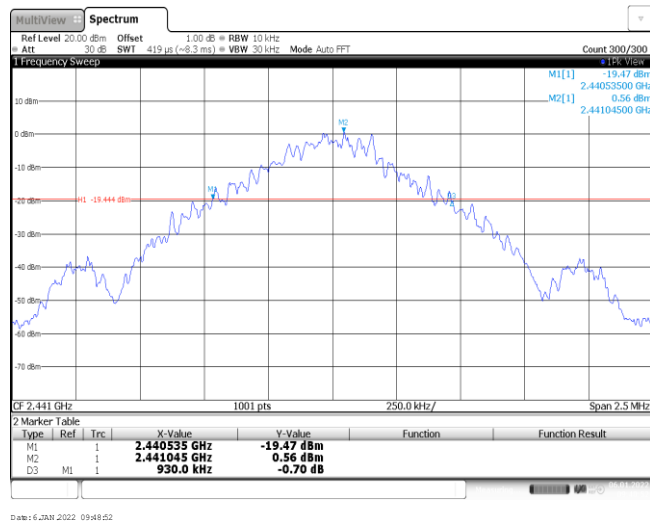
Modulation Type:

GFSK

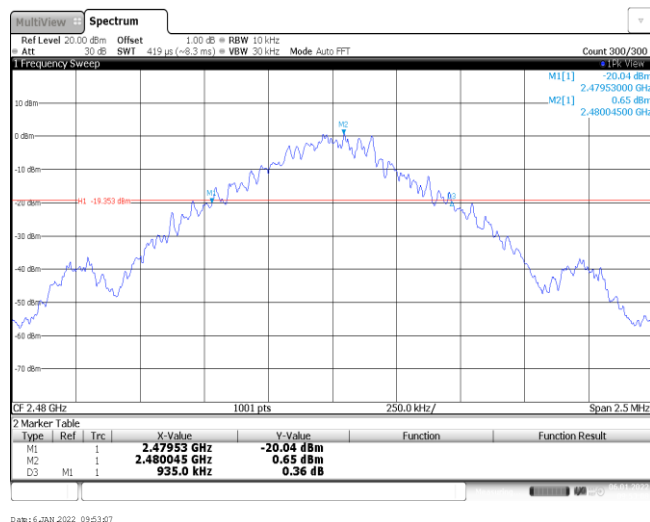
CH00



CH39



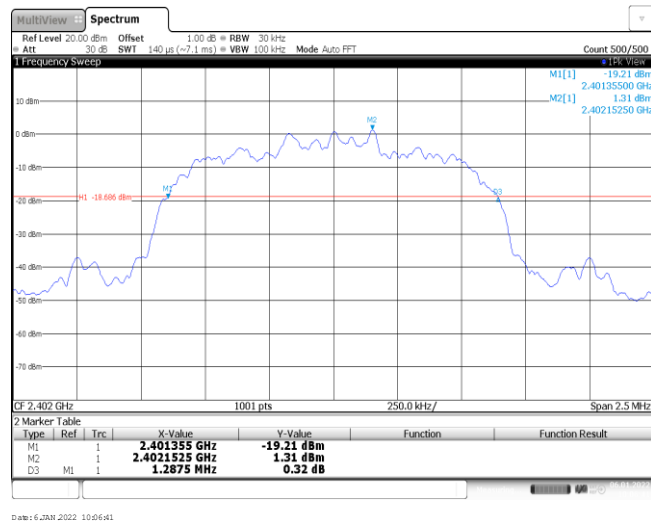
CH78



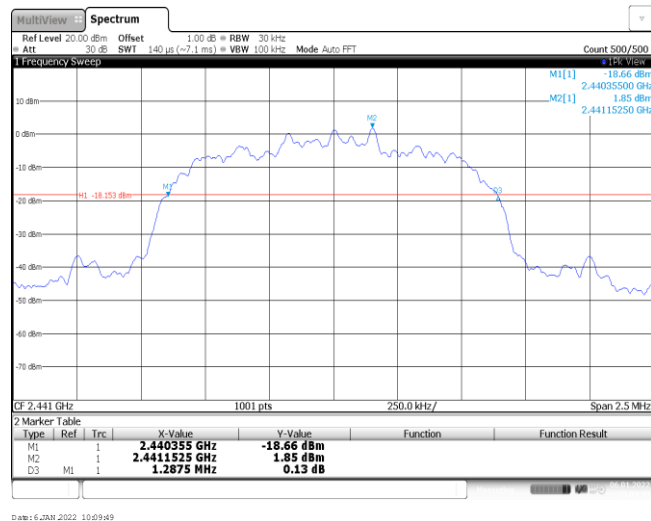
Modulation Type:

 $\pi/4$ DQPSK

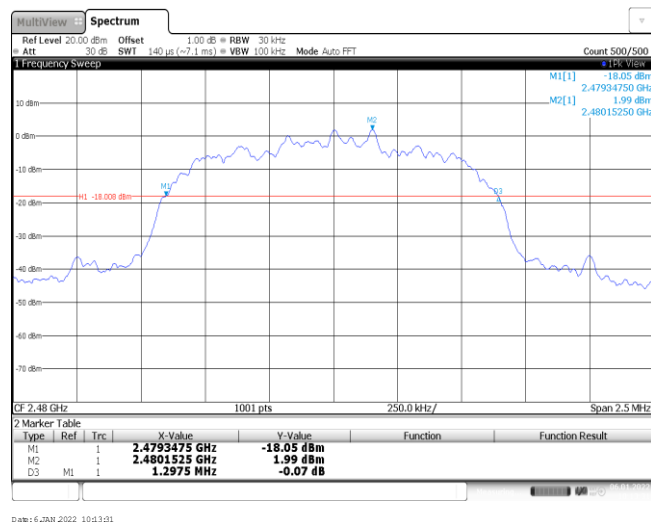
CH00



CH39



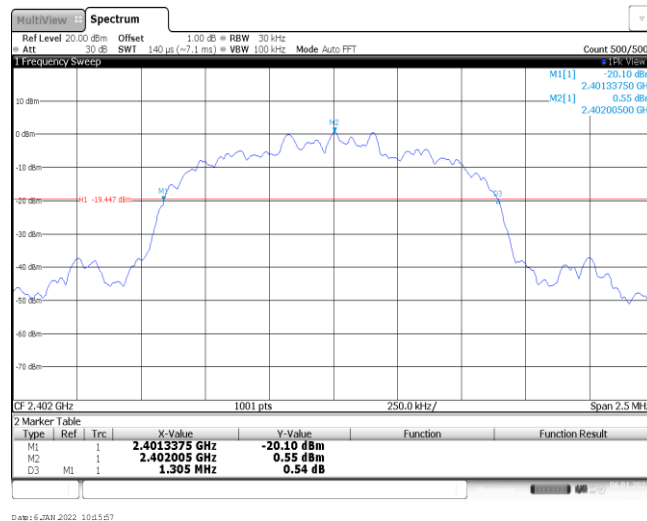
CH78



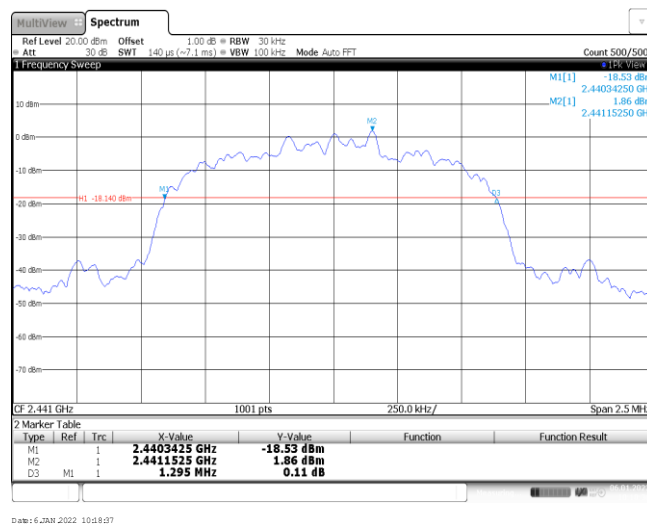
Modulation Type:

8DPSK

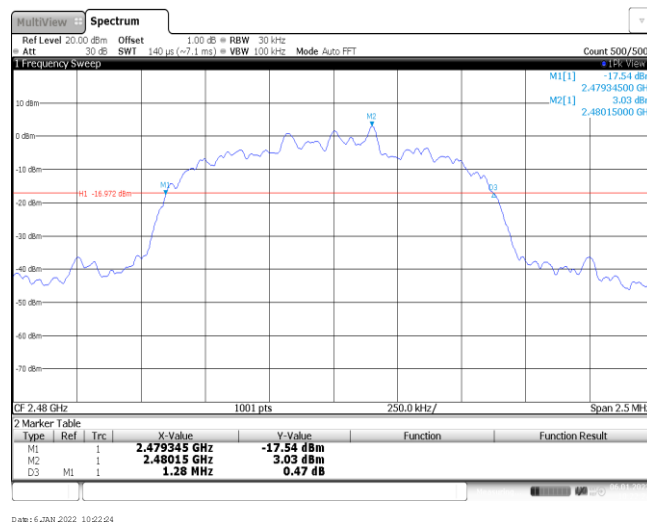
CH00



CH39



CH78



Appendix C: 99% Occupied Bandwidth

Modulation type	Channel	99% Occupied Bandwidth (MHz)	Limit (MHz)	Result
GFSK	00	0.90	-	Pass
	39	0.90		
	78	0.91		
$\pi/4$ DQPSK	00	1.16	-	Pass
	39	1.17		
	78	1.17		
8DPSK	00	1.17	-	Pass
	39	1.17		
	78	1.17		

Modulation Type:

GFSK

CH00



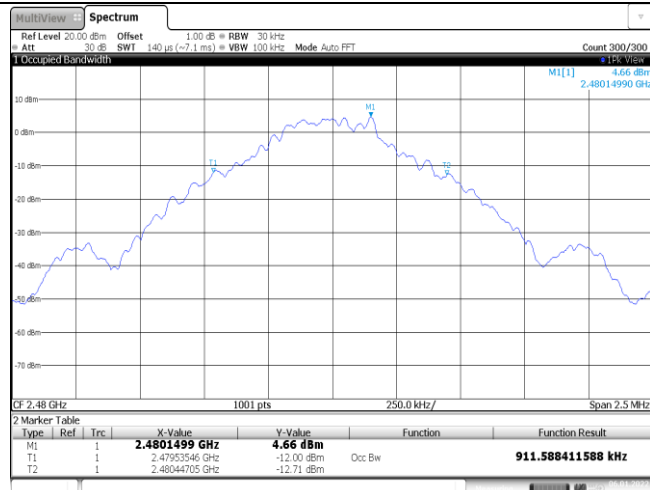
Date: 6/20/2022 09:45:23

CH39



Date: 6/20/2022 09:49:01

CH78



Date: 6/20/2022 09:53:16

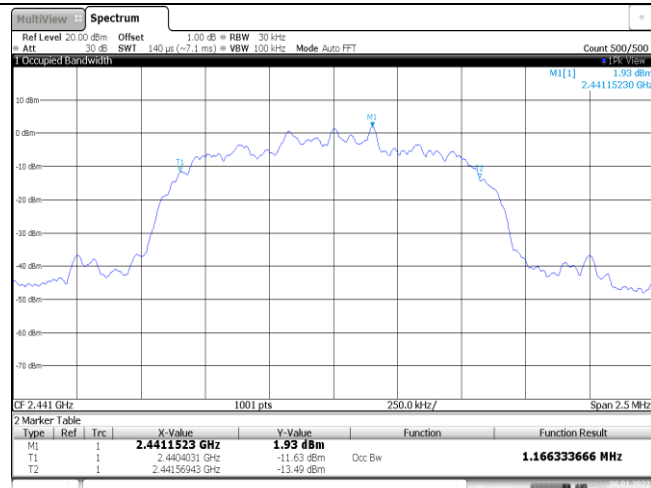
Modulation Type:

 $\pi/4$ DQPSK

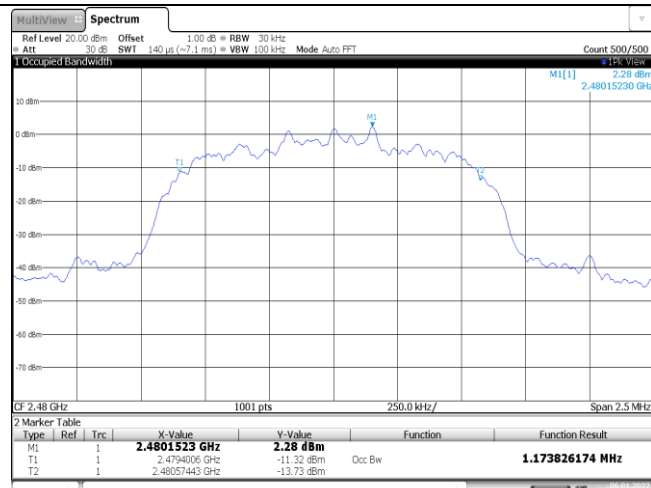
CH00



CH39



CH78



Modulation Type:

8DPSK

CH00



Date: 6 JUN 2022 10:16:06

CH39



Date: 6 JUN 2022 10:18:45

CH78



Date: 6 JUN 2022 10:22:32

Appendix D: Carrier Frequencies Separation

Modulation type	Channel	Carrier Frequencies Separation (MHz)	Limit (kHz) *	Result
GFSK	39	1.00	≥935.00	Pass
π/4DQPSK	39	1.00	≥865.00	Pass
8DPSK	39	1.00	≥870.00	Pass

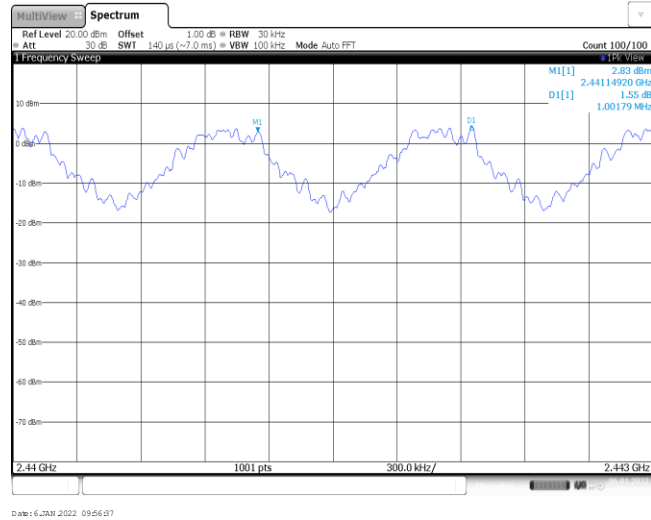
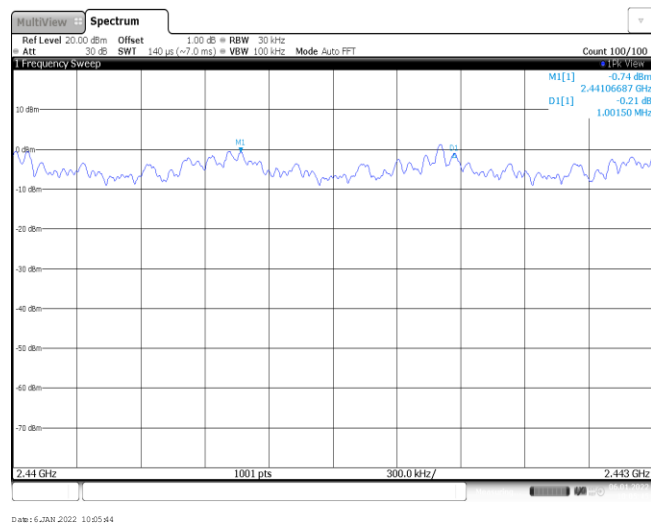
Note:

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

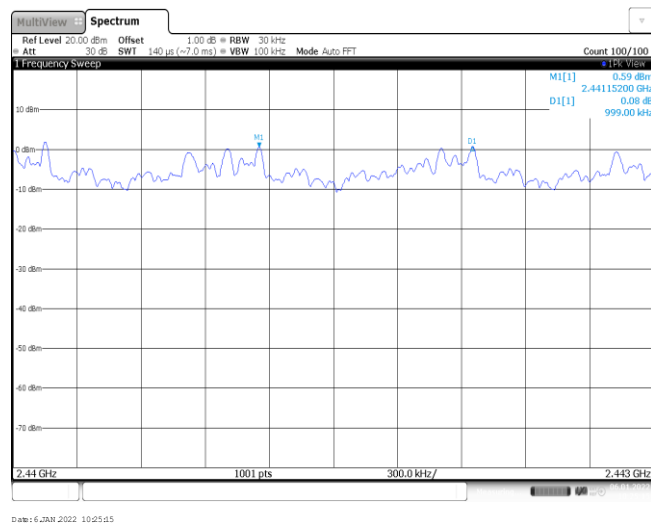
π/4DQPSK limit = 2/3 * The maximum 20 dB Bandwidth for π/4DQPSK modulation on the appendix B.

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

GFSK

 $\pi/4$ DQPSK

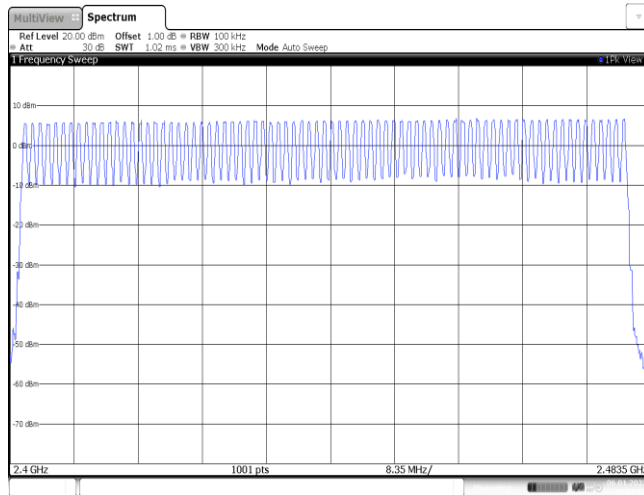
8DPSK



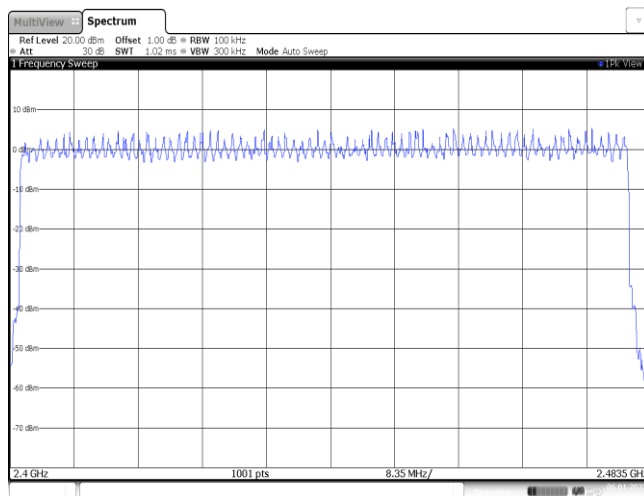
Appendix E: Hopping Channel Number

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

GFSK

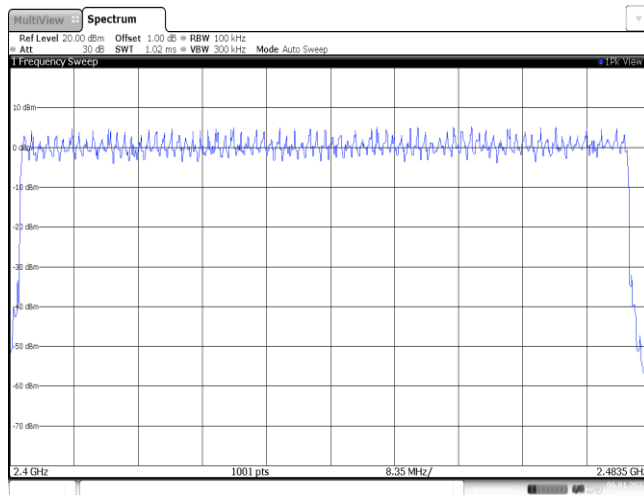


Date: 6/20/2022 09:57:57

 $\pi/4$ DQPSK

Date: 6/20/2022 10:01:13

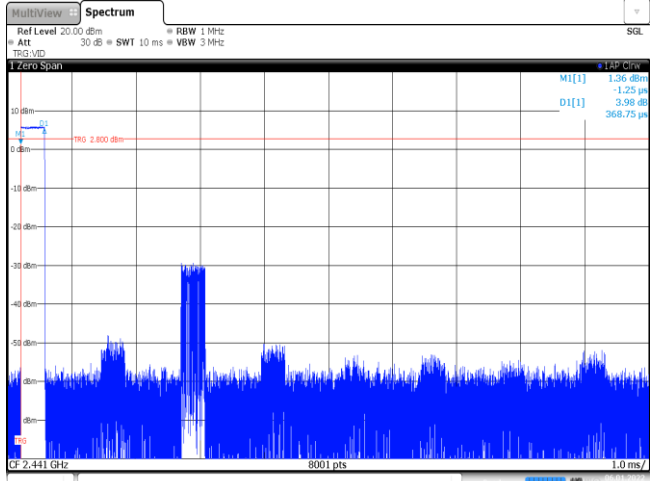
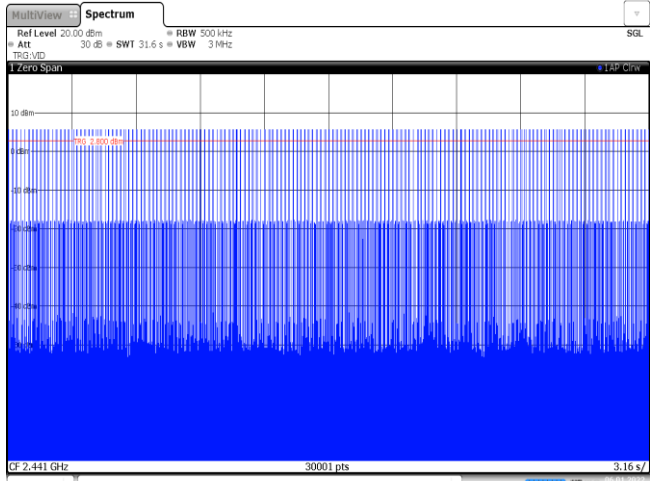
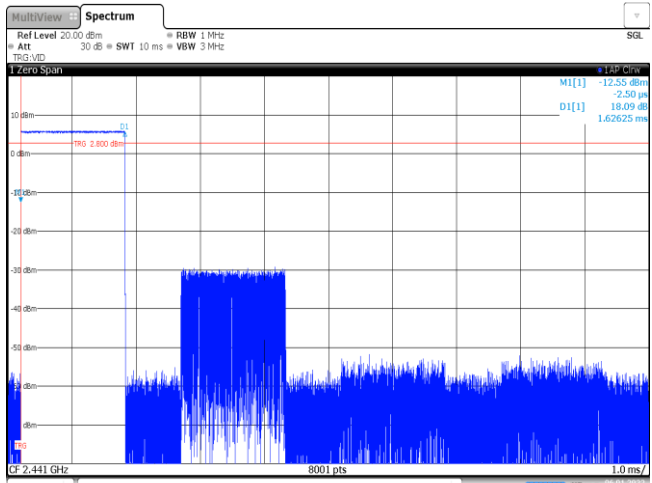
8DPSK

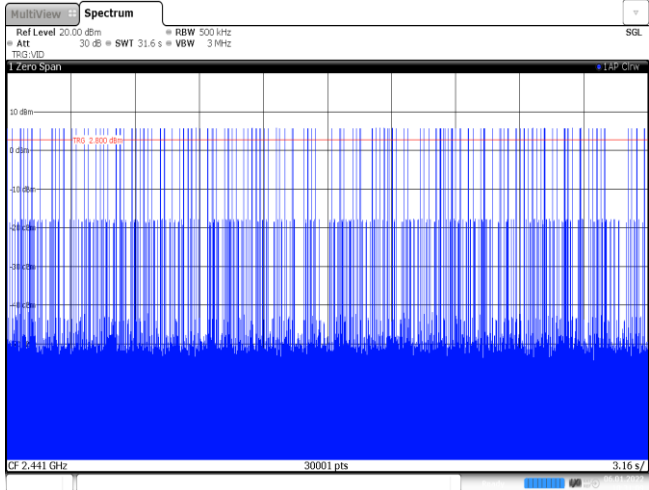
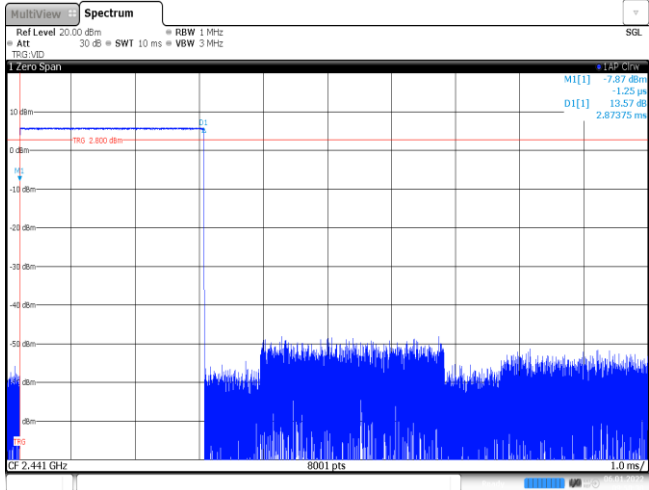
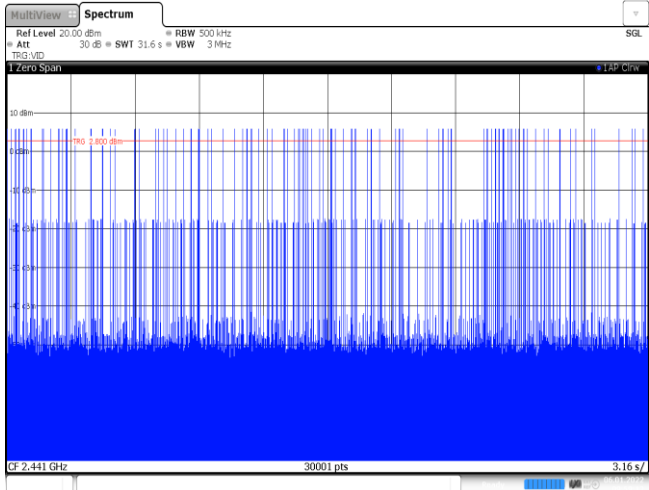


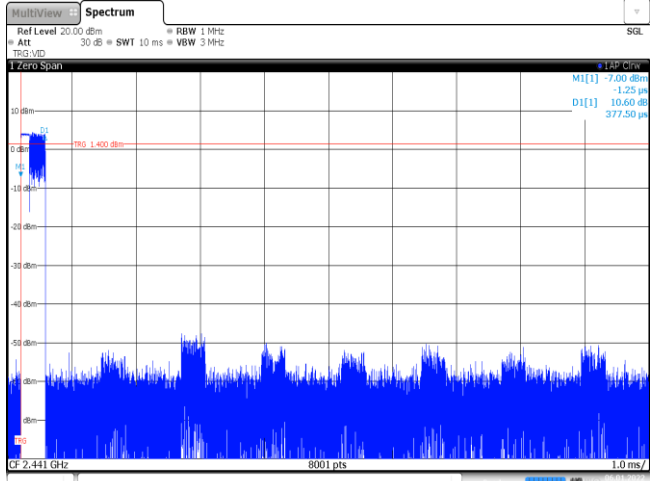
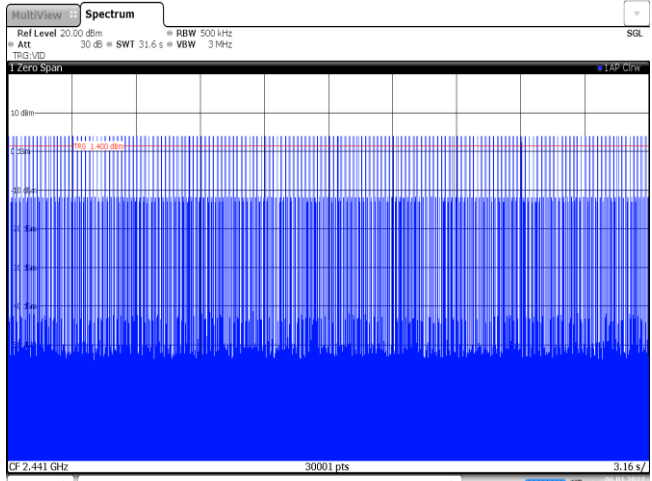
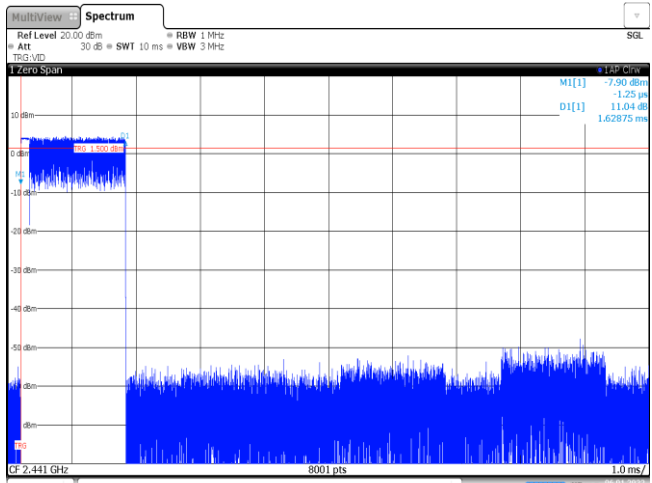
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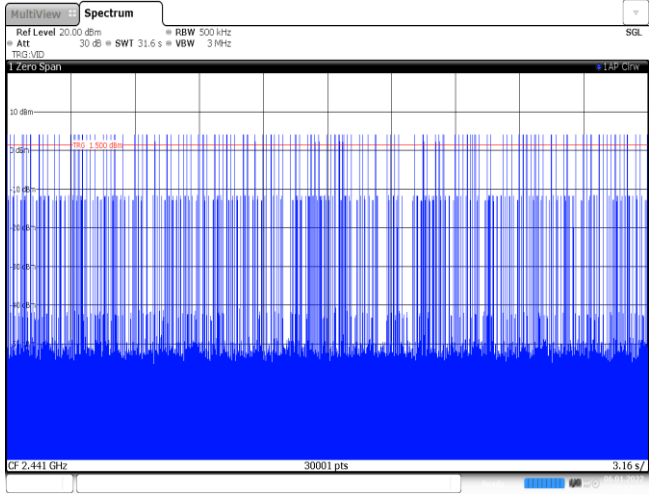
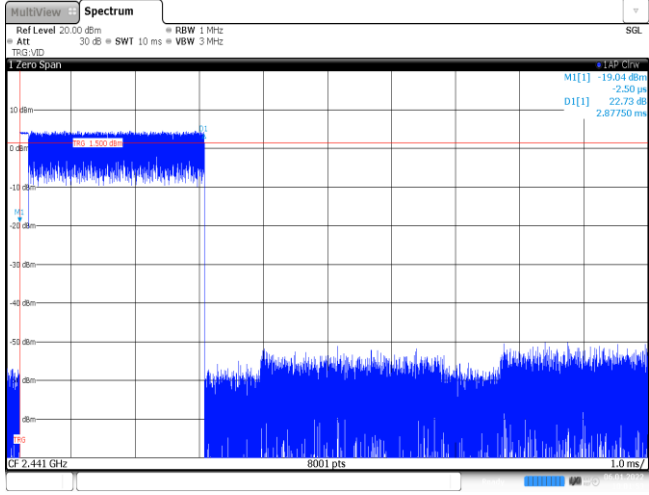
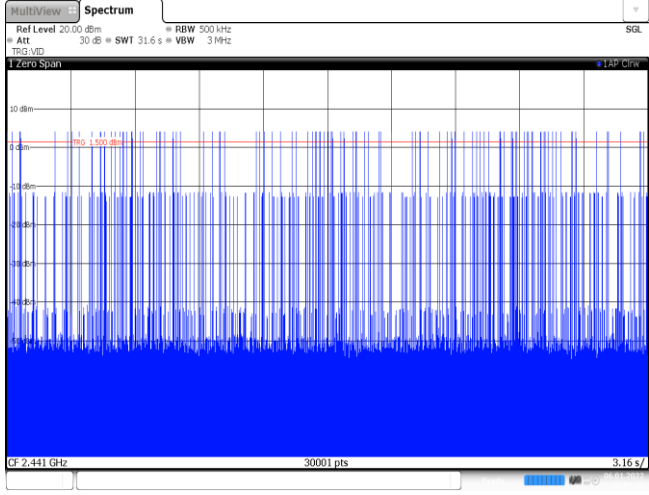
Appendix F: Dwell Time

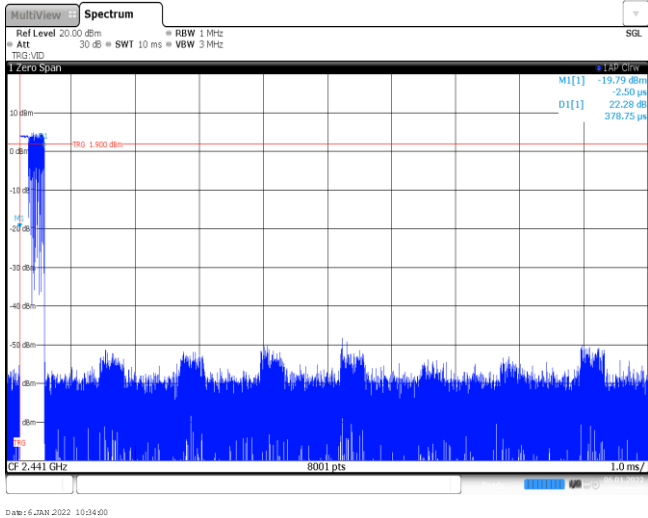
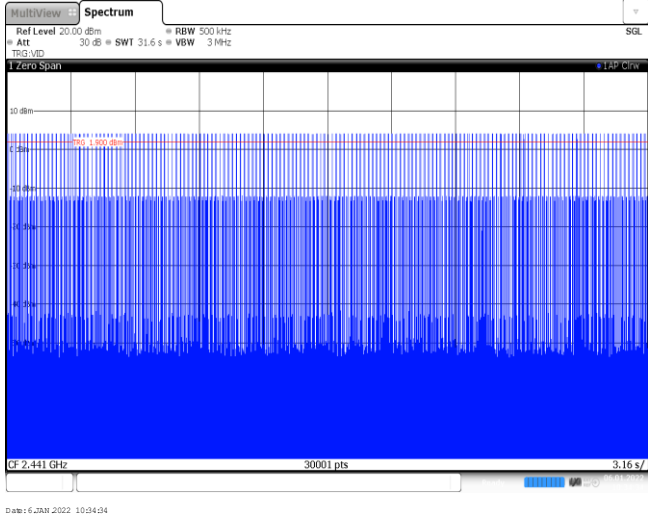
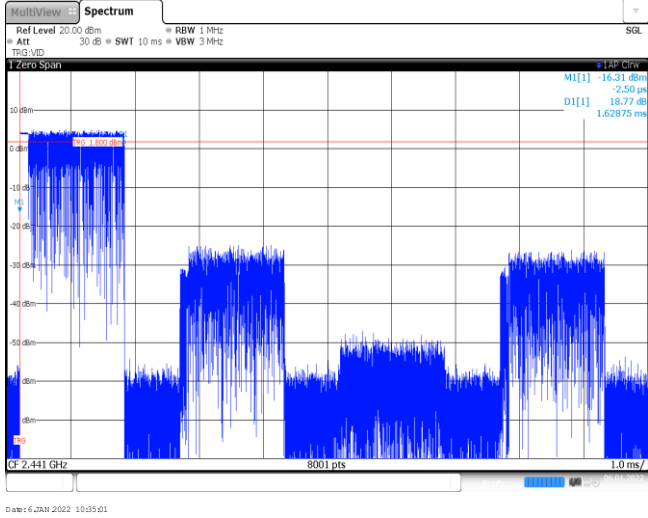
Modulation type	Packet	Burst Width [ms]	Total Hops[hop*ch]	Dwell time (Second)	Limit (Second)	Result
GFSK	DH1	0.37	317	0.12	≤ 0.40	Pass
	DH3	1.63	155	0.25		
	DH5	2.87	110	0.32		
$\pi/4$ DQPSK	2DH1	0.38	314	0.12	≤ 0.40	Pass
	2DH3	1.63	159	0.26		
	2DH5	2.88	104	0.30		
8DPSK	3DH1	0.38	315	0.12	≤ 0.40	Pass
	3DH3	1.63	158	0.26		
	3DH5	2.88	111	0.32		

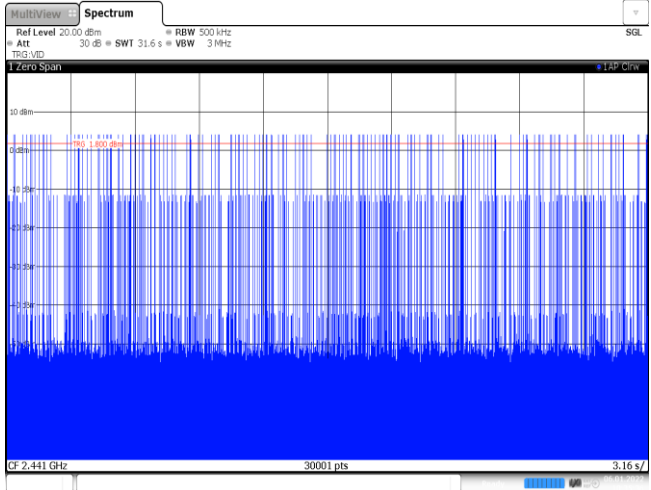
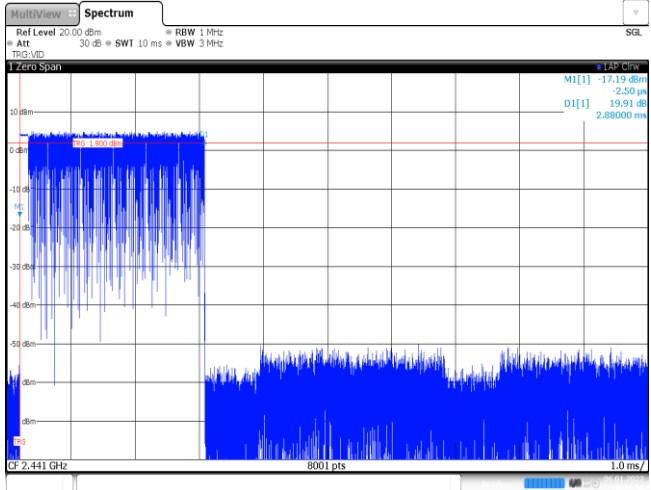
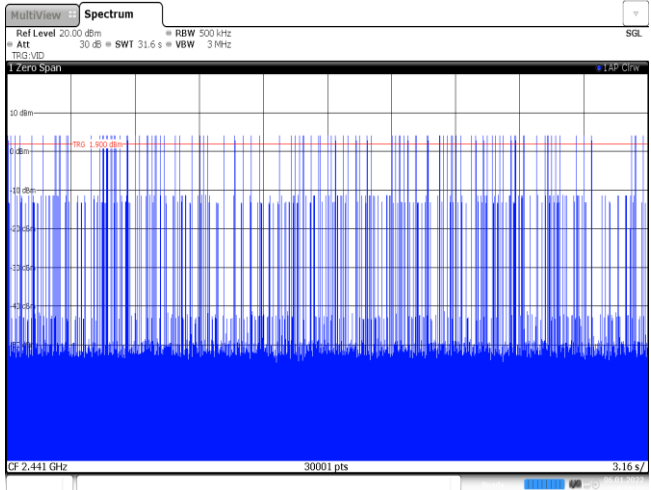
Modulation Type:	GFSK
DH1 Burst width	 The spectrum plot shows a single burst of GFSK signal. The y-axis represents power in dBm, ranging from -60 to 10. The x-axis represents frequency in GHz, centered at 2.441 GHz. A red horizontal line indicates a threshold at -20.00 dBm. The signal burst is visible as a blue trace. The plot includes parameters: Ref Level 20.00 dBm, Att 30 dB, SWT 10 ms, RBW 1 MHz, VBW 3 MHz. The date is 6 JAN 2022 10:29:29.
DH1 Burst number	 The spectrum plot shows a continuous burst of GFSK signal. The y-axis represents power in dBm, ranging from -60 to 10. The x-axis represents frequency in GHz, centered at 2.441 GHz. A red horizontal line indicates a threshold at -20.00 dBm. The signal burst is visible as a blue trace. The plot includes parameters: Ref Level 20.00 dBm, Att 30 dB, SWT 31.6 s, RBW 500 kHz, VBW 3 MHz. The date is 6 JAN 2022 10:30:03.
DH3 Burst width	 The spectrum plot shows a single burst of GFSK signal. The y-axis represents power in dBm, ranging from -60 to 10. The x-axis represents frequency in GHz, centered at 2.441 GHz. A red horizontal line indicates a threshold at -20.00 dBm. The signal burst is visible as a blue trace. The plot includes parameters: Ref Level 20.00 dBm, Att 30 dB, SWT 10 ms, RBW 1 MHz, VBW 3 MHz. The date is 6 JAN 2022 10:30:05.

DH3 Burst number	 The screenshot shows a spectrum analyzer interface with the title 'Spectrum'. The y-axis represents power in dBm, ranging from -50 to 10. The x-axis represents frequency in GHz, centered at 2.441 GHz. A red horizontal line is drawn at -20.00 dBm. The plot shows a dense, noisy signal across the entire frequency range. The status bar at the bottom indicates 'CF 2.441 GHz', '30001 pts', and '3.16 s'.
DH5 Burst width	 The screenshot shows a spectrum analyzer interface with the title 'Spectrum'. The y-axis represents power in dBm, ranging from -50 to 10. The x-axis represents frequency in GHz, centered at 2.441 GHz. A red horizontal line is drawn at -20.00 dBm. The plot shows a signal that is mostly flat at the noise floor, with a small, sharp peak at approximately 2.441 GHz. The status bar at the bottom indicates 'CF 2.441 GHz', '8001 pts', and '1.0 ms'.
DH5 Burst number	 The screenshot shows a spectrum analyzer interface with the title 'Spectrum'. The y-axis represents power in dBm, ranging from -50 to 10. The x-axis represents frequency in GHz, centered at 2.441 GHz. A red horizontal line is drawn at -20.00 dBm. The plot shows a dense, noisy signal across the entire frequency range, similar to the DH3 burst number plot. The status bar at the bottom indicates 'CF 2.441 GHz', '30001 pts', and '3.16 s'.

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 -60 to 10. The x-axis represents frequency in MHz, ranging from 2.435 to 2.447. A red line indicates the reference level at 20.00 dBm. The signal is characterized by a sharp peak at the center frequency, with a bandwidth of approximately 1.400 MHz. The plot includes parameters: Ref Level 20.00 dBm, Att 30 dB, SWT 10 ms, VBW 3 MHz, RBW 1 MHz, and TSG V/D. The date is 6 JAN 2022 10:31:41.
2DH1 Burst number	 The spectrum plot shows a signal centered at 2.441 GHz. The y-axis represents power in dBm, ranging from -60 to 10. The x-axis represents frequency in MHz, ranging from 2.435 to 2.447. A red line indicates the reference level at 20.00 dBm. The signal is characterized by a sharp peak at the center frequency, with a bandwidth of approximately 1.400 MHz. The plot includes parameters: Ref Level 20.00 dBm, Att 30 dB, SWT 31.6 s, VBW 3 MHz, RBW 500 kHz, and TSG V/D. The date is 6 JAN 2022 10:32:15.
2DH3 Burst width	 The spectrum plot shows a signal centered at 2.441 GHz. The y-axis represents power in dBm, ranging from -60 to 10. The x-axis represents frequency in MHz, ranging from 2.435 to 2.447. A red line indicates the reference level at 20.00 dBm. The signal is characterized by a sharp peak at the center frequency, with a bandwidth of approximately 1.500 MHz. The plot includes parameters: Ref Level 20.00 dBm, Att 30 dB, SWT 10 ms, VBW 3 MHz, RBW 1 MHz, and TSG V/D. The date is 6 JAN 2022 10:32:57.

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

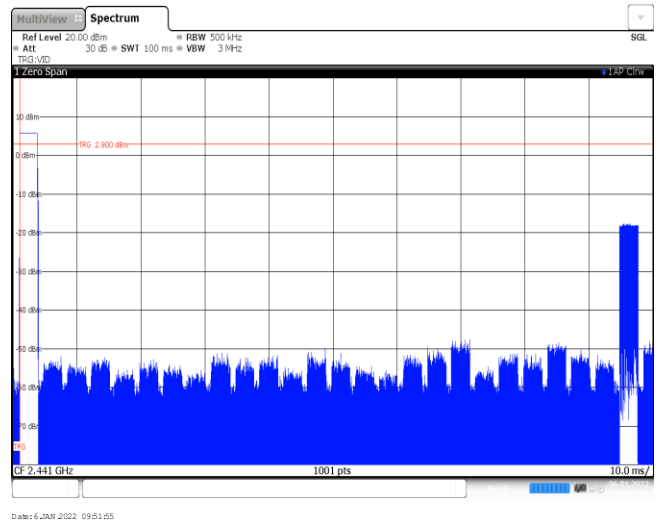
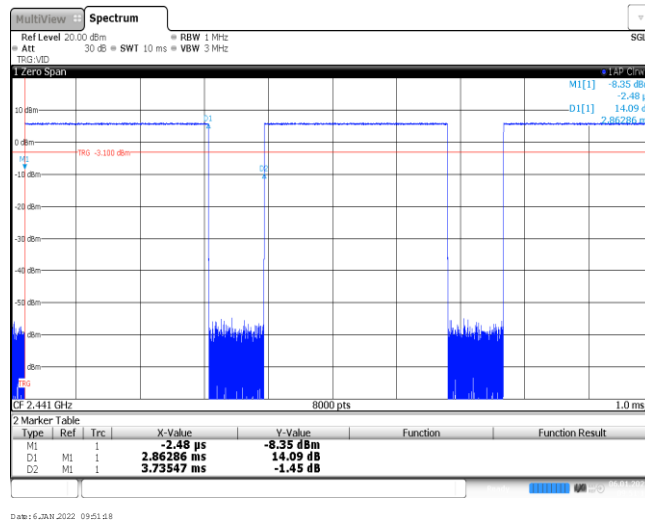
Modulation Type: 8DPSK	
3DH1 Burst width	
3DH1 Burst number	
3DH3 Burst width	

3DH3 Burst number	 The spectrum plot shows a dense burst of signal activity. The y-axis represents power in dBm, ranging from -50 to 10. The x-axis represents frequency in GHz, centered at 2.441 GHz. The plot shows a wideband signal with many narrowband components. The signal level is approximately -10 dBm. The plot is titled 'Spectrum' and includes parameters: Ref Level 20.00 dBm, Att 30 dB, RBW 500 kHz, VSW 3 MHz, and 30001 pts. The date is 6 JAN 2022 10:25:06.
3DH5 Burst width	 The spectrum plot shows a burst of signal activity. The y-axis represents power in dBm, ranging from -50 to 10. The x-axis represents frequency in GHz, centered at 2.441 GHz. The plot shows a wideband signal with many narrowband components. The signal level is approximately -10 dBm. The plot is titled 'Spectrum' and includes parameters: Ref Level 20.00 dBm, Att 30 dB, RBW 1 MHz, VSW 3 MHz, and 8001 pts. The date is 6 JAN 2022 10:27:06.
3DH5 Burst number	 The spectrum plot shows a dense burst of signal activity. The y-axis represents power in dBm, ranging from -50 to 10. The x-axis represents frequency in GHz, centered at 2.441 GHz. The plot shows a wideband signal with many narrowband components. The signal level is approximately -10 dBm. The plot is titled 'Spectrum' and includes parameters: Ref Level 20.00 dBm, Att 30 dB, RBW 500 kHz, VSW 3 MHz, and 30001 pts. The date is 6 JAN 2022 10:28:10.

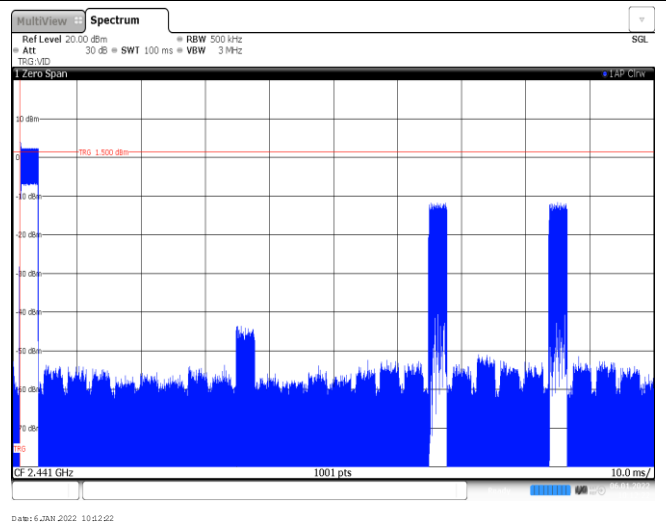
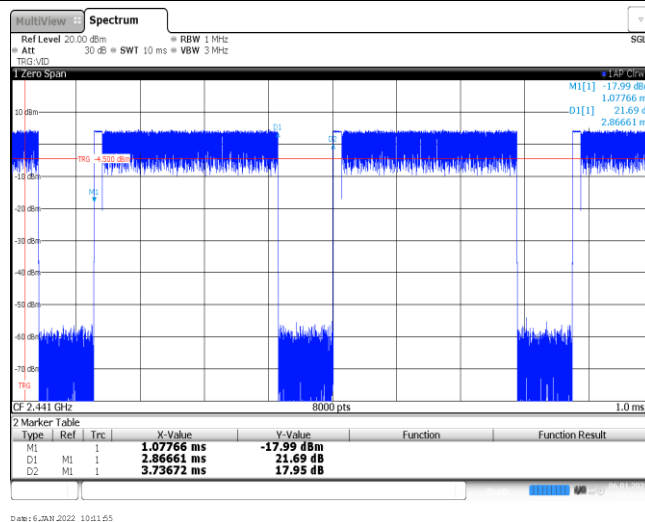
Appendix G: Duty Cycle Correction Factor (DCCF)

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	2.86	100	2	-24.85
$\pi/4$ DQPSK	2441	2.87	100	3	-21.30
8DPSK	2441	2.87	100	3	-21.30

GFSK

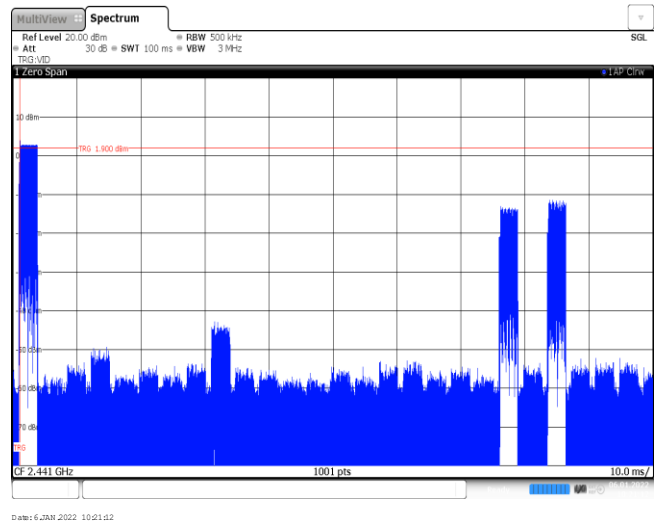
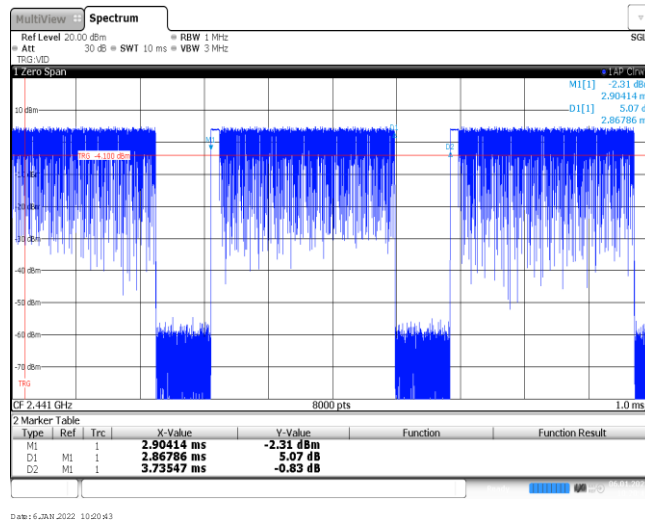
T_{on} time for single burst

Burst Quantity

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

Burst Quantity

8DPSK

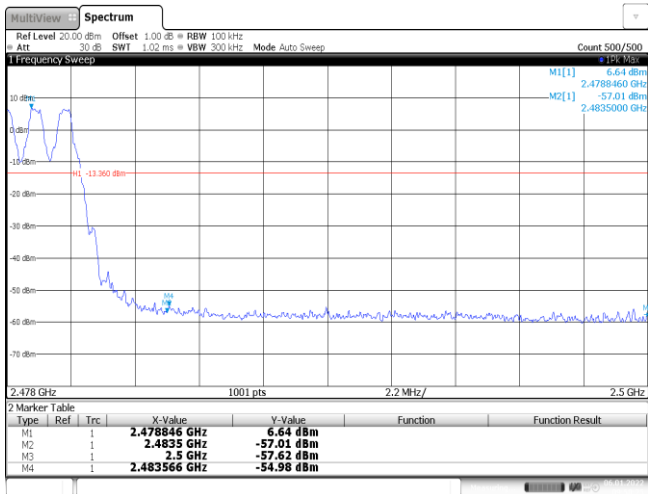
T_{on} time for single burst

Burst Quantity

Appendix H: Band edge and Spurious Emissions (conducted)

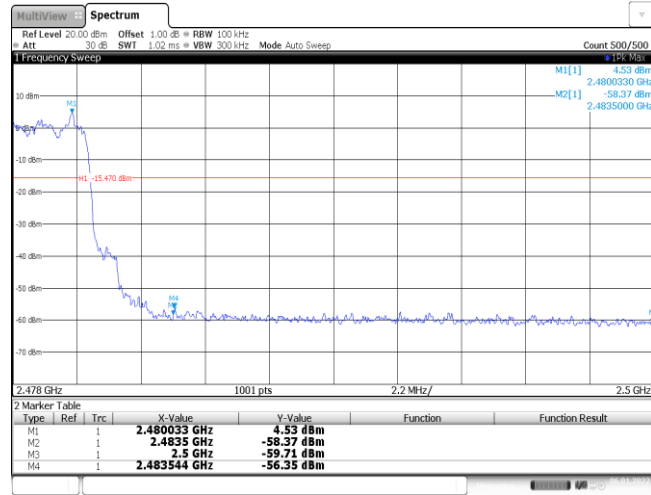
Test Item:	Band edge	Modulation type:	GFSK																																										
CH00 No hopping mode	MultiViewSpectrum Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz ATT 30 dB SWT 1.05 ms VBW 300 kHz Mode Auto Sweep Count 300/300 Frequency Sweep M1[1] 6.15 dBm 2.402105 GHz M2[1] -50.94 dBm 2.400000 GHz M1 -13.850 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>2.402105 GHz</td><td>6.15 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-50.94 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-56.44 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-64.45 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399585 GHz</td><td>-50.92 dBm</td><td></td><td></td></tr></table> Date: 6 JAN 2022 09:46:06			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.402105 GHz	6.15 dBm			M2	1		2.4 GHz	-50.94 dBm			M3	1		2.39 GHz	-56.44 dBm			M4	1		2.31 GHz	-64.45 dBm			M5	1		2.399585 GHz	-50.92 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.402105 GHz	6.15 dBm																																									
M2	1		2.4 GHz	-50.94 dBm																																									
M3	1		2.39 GHz	-56.44 dBm																																									
M4	1		2.31 GHz	-64.45 dBm																																									
M5	1		2.399585 GHz	-50.92 dBm																																									
CH00 Hopping mode	MultiViewSpectrum Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz ATT 30 dB SWT 1.05 ms VBW 300 kHz Mode Auto Sweep Count 500/500 Frequency Sweep M1[1] 5.67 dBm 2.402010 GHz M2[1] -52.40 dBm 2.400000 GHz M1 -14.330 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>2.40201 GHz</td><td>5.67 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-52.40 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-59.12 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-64.56 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399965 GHz</td><td>-52.45 dBm</td><td></td><td></td></tr></table> Date: 6 JAN 2022 09:58:11			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40201 GHz	5.67 dBm			M2	1		2.4 GHz	-52.40 dBm			M3	1		2.39 GHz	-59.12 dBm			M4	1		2.31 GHz	-64.56 dBm			M5	1		2.399965 GHz	-52.45 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.40201 GHz	5.67 dBm																																									
M2	1		2.4 GHz	-52.40 dBm																																									
M3	1		2.39 GHz	-59.12 dBm																																									
M4	1		2.31 GHz	-64.56 dBm																																									
M5	1		2.399965 GHz	-52.45 dBm																																									
CH78 No hopping mode	MultiViewSpectrum Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz ATT 30 dB SWT 1.02 ms VBW 300 kHz Mode Auto Sweep Count 300/300 Frequency Sweep M1[1] 6.93 dBm 2.480143 GHz M2[1] -53.99 dBm 2.483500 GHz M1 -13.070 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>2.480143 GHz</td><td>6.93 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-53.99 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-57.84 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.48405 GHz</td><td>-52.79 dBm</td><td></td><td></td></tr></table> Date: 6 JAN 2022 09:53:59			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.480143 GHz	6.93 dBm			M2	1		2.4835 GHz	-53.99 dBm			M3	1		2.5 GHz	-57.84 dBm			M4	1		2.48405 GHz	-52.79 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.480143 GHz	6.93 dBm																																									
M2	1		2.4835 GHz	-53.99 dBm																																									
M3	1		2.5 GHz	-57.84 dBm																																									
M4	1		2.48405 GHz	-52.79 dBm																																									

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 Frequency Sweep M1[1] 4.52 dBm 2.401821 GHz M2[1] -50.69 dBm 2.400000 GHz M1 -15.40 dBm 2.31 GHz 1001 pts 9.5 MHz/ 2.405 GHz 2 Marker Table <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>2.401821 GHz</td><td>4.52 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-50.69 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-59.79 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-64.18 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399965 GHz</td><td>-48.32 dBm</td><td></td><td></td></tr></tbody></table> Date: 6 JAN 2022 10:08:20			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.401821 GHz	4.52 dBm			M2	1		2.4 GHz	-50.69 dBm			M3	1		2.39 GHz	-59.79 dBm			M4	1		2.31 GHz	-64.18 dBm			M5	1		2.399965 GHz	-48.32 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.401821 GHz	4.52 dBm																																									
M2	1		2.4 GHz	-50.69 dBm																																									
M3	1		2.39 GHz	-59.79 dBm																																									
M4	1		2.31 GHz	-64.18 dBm																																									
M5	1		2.399965 GHz	-48.32 dBm																																									
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 Frequency Sweep M1[1] 2.56 dBm 2.404953 GHz M2[1] -55.05 dBm 2.400000 GHz M1 -17.40 dBm 2.31 GHz 1001 pts 9.5 MHz/ 2.405 GHz 2 Marker Table <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>2.404953 GHz</td><td>2.56 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-55.05 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-59.80 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-63.91 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399965 GHz</td><td>-53.03 dBm</td><td></td><td></td></tr></tbody></table> Date: 6 JAN 2022 10:01:27			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.404953 GHz	2.56 dBm			M2	1		2.4 GHz	-55.05 dBm			M3	1		2.39 GHz	-59.80 dBm			M4	1		2.31 GHz	-63.91 dBm			M5	1		2.399965 GHz	-53.03 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.404953 GHz	2.56 dBm																																									
M2	1		2.4 GHz	-55.05 dBm																																									
M3	1		2.39 GHz	-59.80 dBm																																									
M4	1		2.31 GHz	-63.91 dBm																																									
M5	1		2.399965 GHz	-53.03 dBm																																									
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 Frequency Sweep M1[1] 5.38 dBm 2.479835 GHz M2[1] -55.65 dBm 2.483500 GHz M1 -14.60 dBm 2.478 GHz 1001 pts 2.2 MHz/ 2.5 GHz 2 Marker Table <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>2.479835 GHz</td><td>5.38 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-55.65 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-59.58 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.484314 GHz</td><td>-55.51 dBm</td><td></td><td></td></tr></tbody></table> Date: 6 JAN 2022 10:04:24			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.479835 GHz	5.38 dBm			M2	1		2.4835 GHz	-55.65 dBm			M3	1		2.5 GHz	-59.58 dBm			M4	1		2.484314 GHz	-55.51 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.479835 GHz	5.38 dBm																																									
M2	1		2.4835 GHz	-55.65 dBm																																									
M3	1		2.5 GHz	-59.58 dBm																																									
M4	1		2.484314 GHz	-55.51 dBm																																									

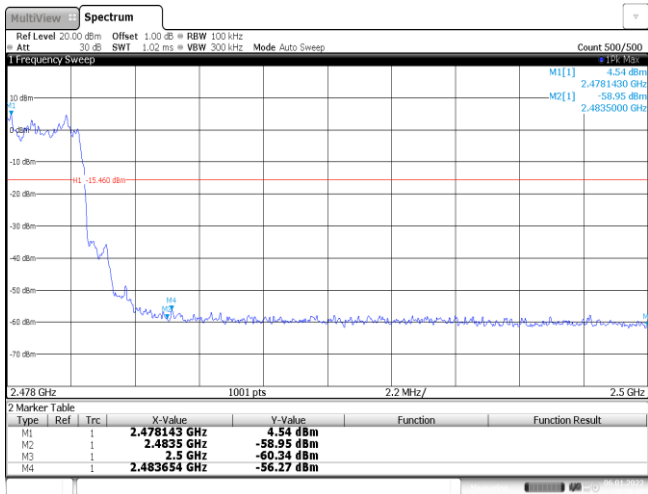
CH78
Hopping mode

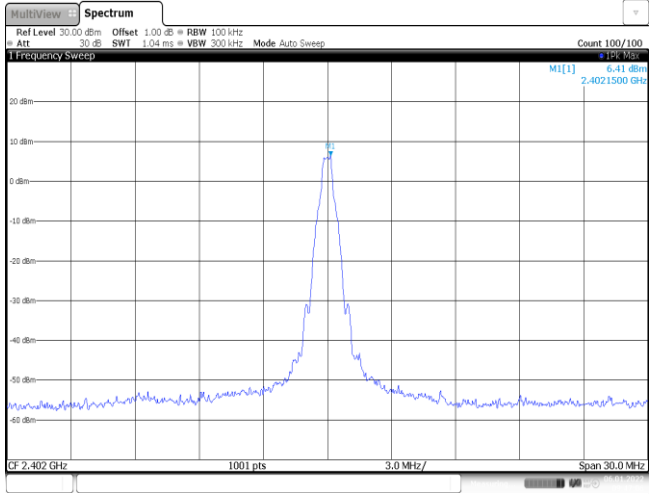
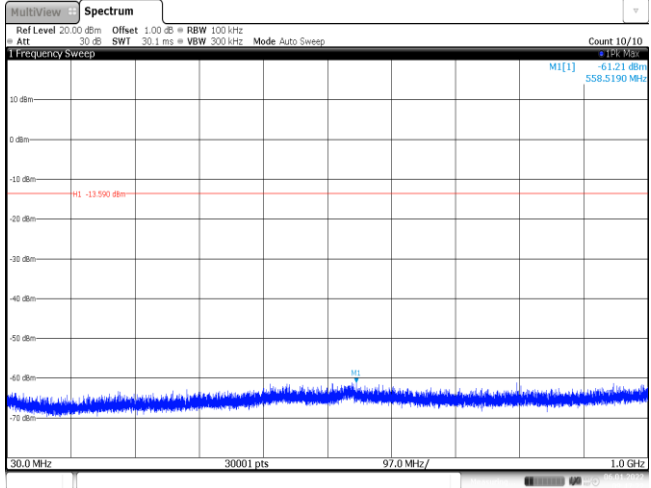
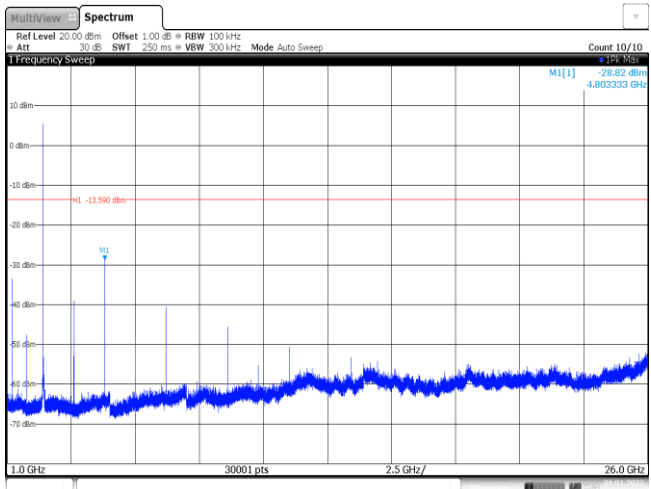


Date: 6/20/2022 10:01:41

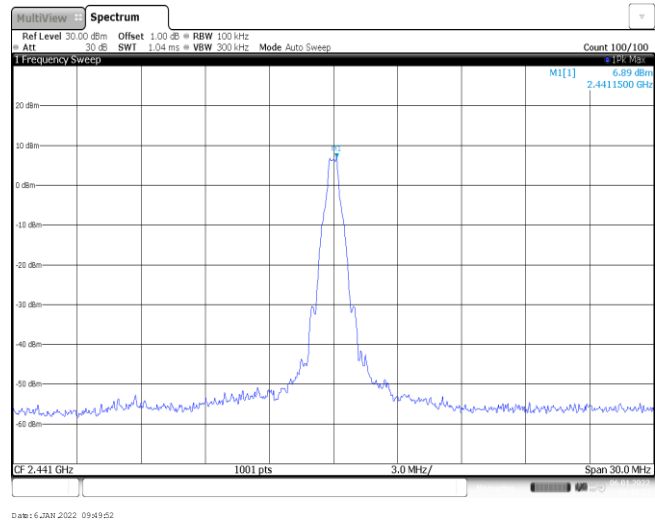
Test Item:	Band edge	Modulation type:	8DPSK																																										
CH00 No hopping mode	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SW 1.05 ms VBW 300 kHz Mode Auto Sweep Count 500/500 Frequency Sweep M1[1] -4.48 dBm M2[1] 2.4021050 GHz M3[1] -49.80 dBm M4 2.4000000 GHz M1 -15.50 dBm M2 M3 M4 2.31 GHz 1001 pts 9.5 MHz/ 2.405 GHz 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>2.402105 GHz</td><td>-4.48 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-49.80 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-59.46 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-64.77 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399965 GHz</td><td>-49.82 dBm</td><td></td><td></td></tr></table> Date: 6 JAN 2022 10:16:30			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.402105 GHz	-4.48 dBm			M2	1		2.4 GHz	-49.80 dBm			M3	1		2.39 GHz	-59.46 dBm			M4	1		2.31 GHz	-64.77 dBm			M5	1		2.399965 GHz	-49.82 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.402105 GHz	-4.48 dBm																																									
M2	1		2.4 GHz	-49.80 dBm																																									
M3	1		2.39 GHz	-59.46 dBm																																									
M4	1		2.31 GHz	-64.77 dBm																																									
M5	1		2.399965 GHz	-49.82 dBm																																									
CH00 Hopping mode	MultiView Spectrum 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] -2.28 dBm M2[1] 2.4049530 GHz M3[1] -53.42 dBm M4 2.4000000 GHz M1 -17.70 dBm M2 M3 M4 2.31 GHz 1001 pts 9.5 MHz/ 2.405 GHz 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>-2.28 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-53.42 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-57.93 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-64.96 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.39987 GHz</td><td>-53.40 dBm</td><td></td><td></td></tr></table> Date: 6 JAN 2022 10:27:10			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.404953 GHz	-2.28 dBm			M2	1		2.4 GHz	-53.42 dBm			M3	1		2.39 GHz	-57.93 dBm			M4	1		2.31 GHz	-64.96 dBm			M5	1		2.39987 GHz	-53.40 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.404953 GHz	-2.28 dBm																																									
M2	1		2.4 GHz	-53.42 dBm																																									
M3	1		2.39 GHz	-57.93 dBm																																									
M4	1		2.31 GHz	-64.96 dBm																																									
M5	1		2.39987 GHz	-53.40 dBm																																									
CH78 No hopping mode	MultiView Spectrum 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] -5.36 dBm M2[1] 2.4801430 GHz M3[1] -55.95 dBm M4 2.4835000 GHz M1 -14.64 dBm M2 M3 M4 2.478 GHz 1001 pts 2.2 MHz/ 2.5 GHz 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>2.480143 GHz</td><td>-5.36 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-55.95 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-57.92 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.483632 GHz</td><td>-55.15 dBm</td><td></td><td></td></tr></table> Date: 6 JAN 2022 10:23:00			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.480143 GHz	-5.36 dBm			M2	1		2.4835 GHz	-55.95 dBm			M3	1		2.5 GHz	-57.92 dBm			M4	1		2.483632 GHz	-55.15 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
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M2	1		2.4835 GHz	-55.95 dBm																																									
M3	1		2.5 GHz	-57.92 dBm																																									
M4	1		2.483632 GHz	-55.15 dBm																																									

CH78
Hoppig mode

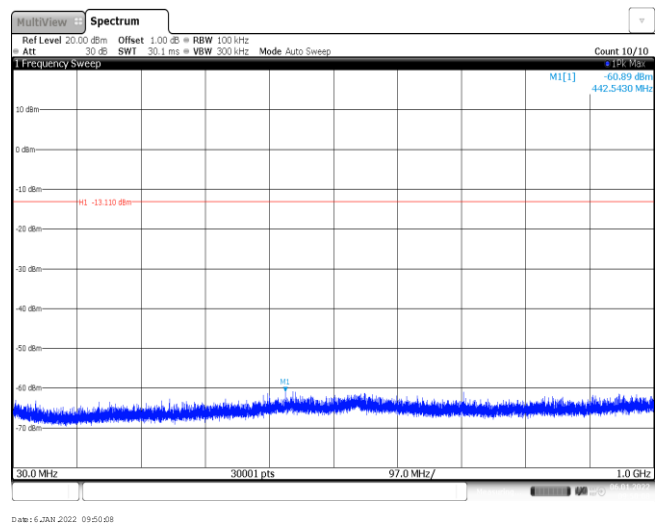


Test Item:	Spurious Emission	Modulation type:	GFSK
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CH00 30MHz~1000MHz			
CH00 1GHz~26GHz			

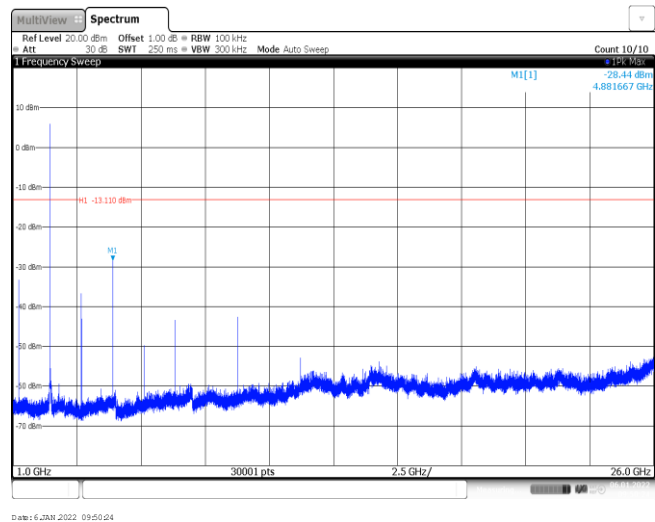
CH39
Reference level



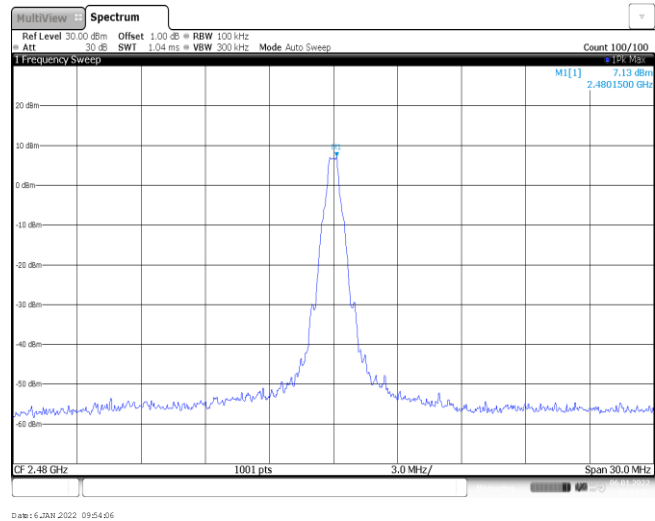
CH39
30MHz~1000MHz



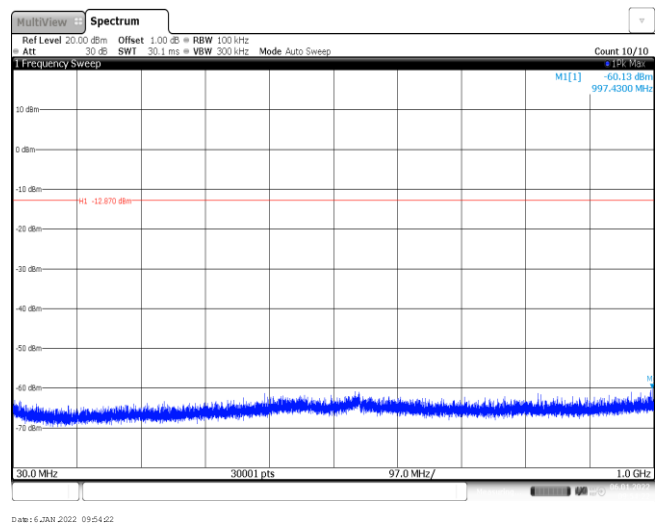
CH39
1GHz~26GHz



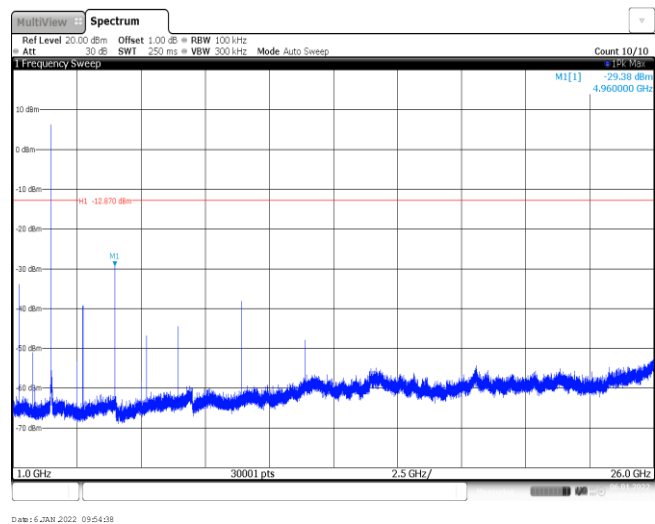
CH78
Reference level

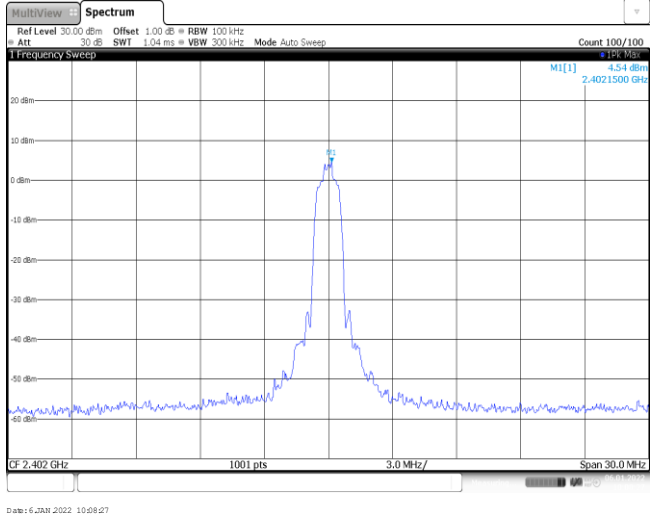
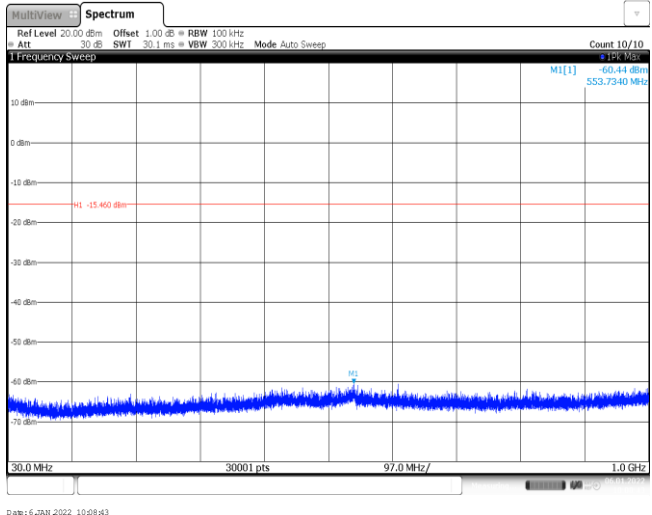
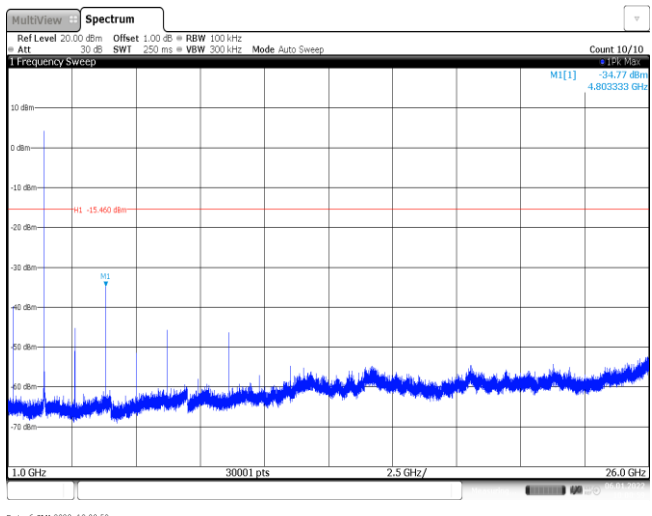


CH78
30MHz~1000MHz

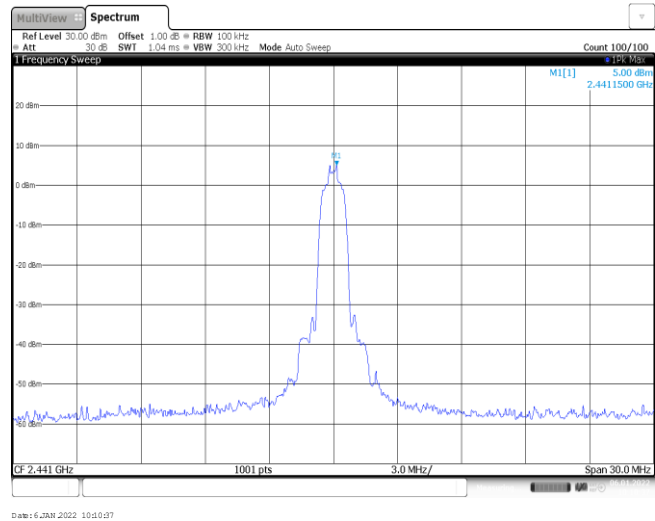


CH78
1GHz~26GHz

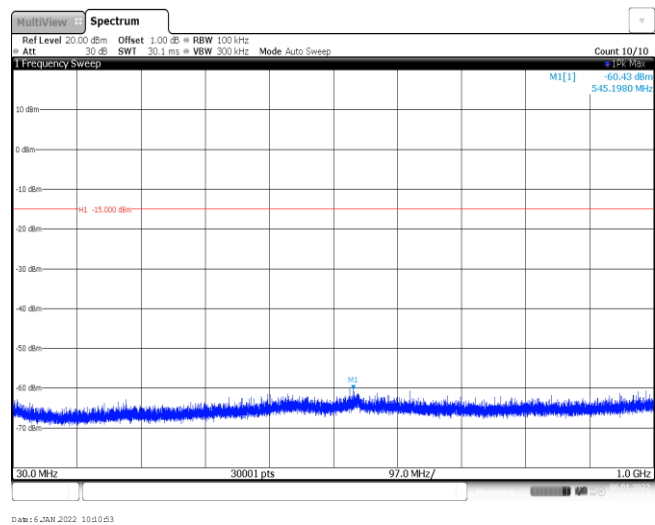


Test Item:	Spurious Emission	Modulation type:	$\pi/4$ DQPSK
CH00 Reference level			
CH00 30MHz~1000MHz			
CH00 1GHz~26GHz			

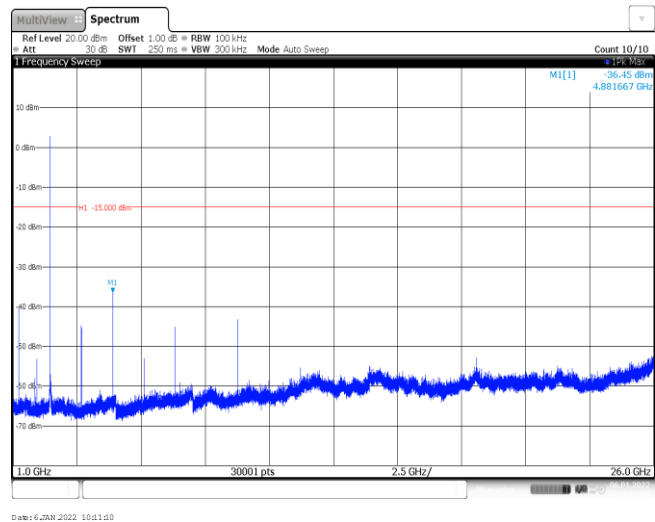
CH39
Reference level



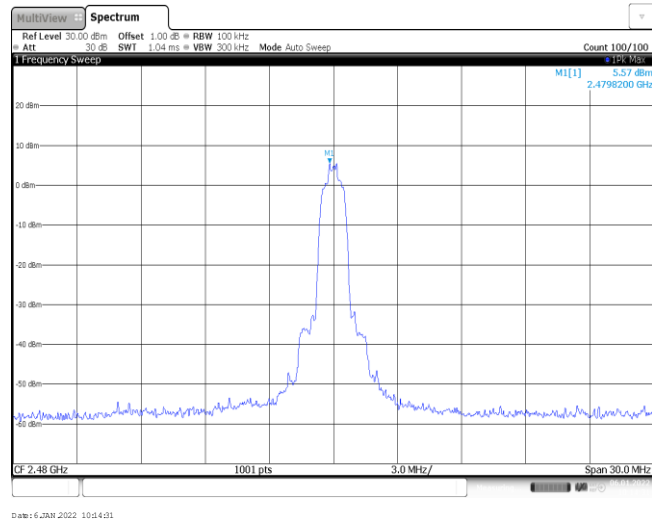
CH39
30MHz~1000MHz



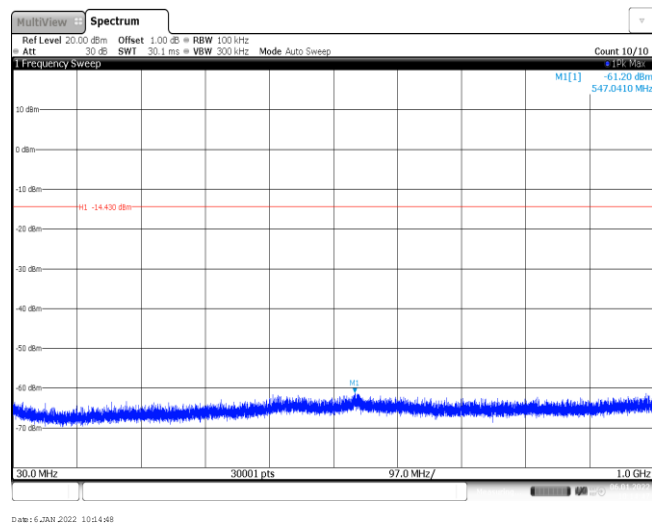
CH39
1GHz~26GHz



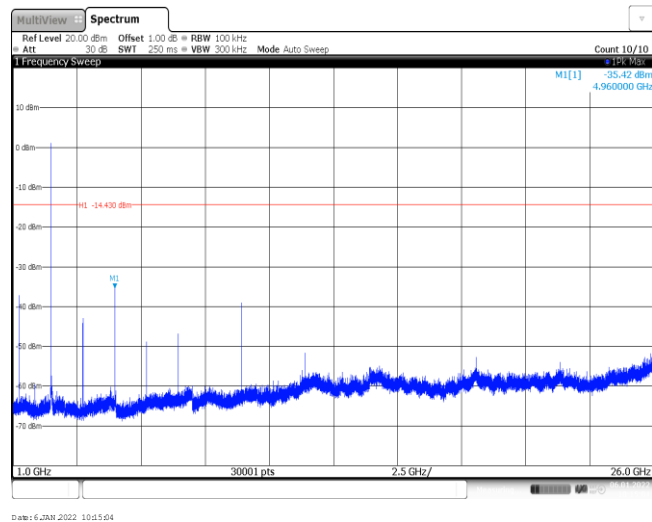
CH78
Reference level

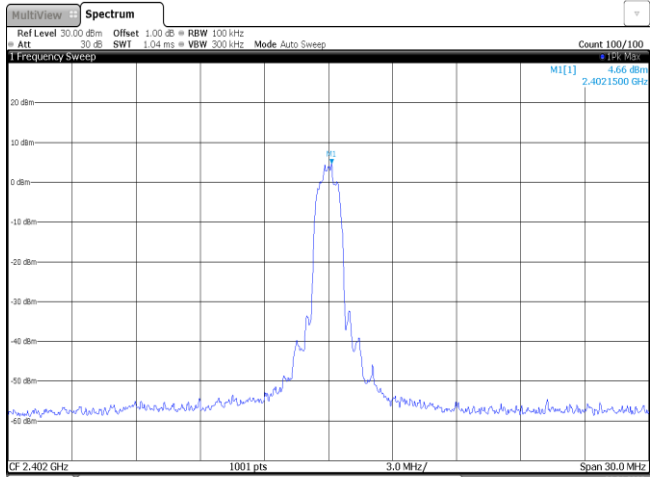
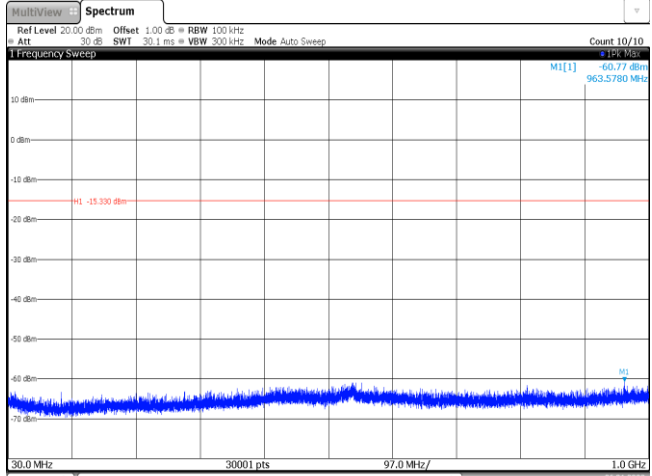
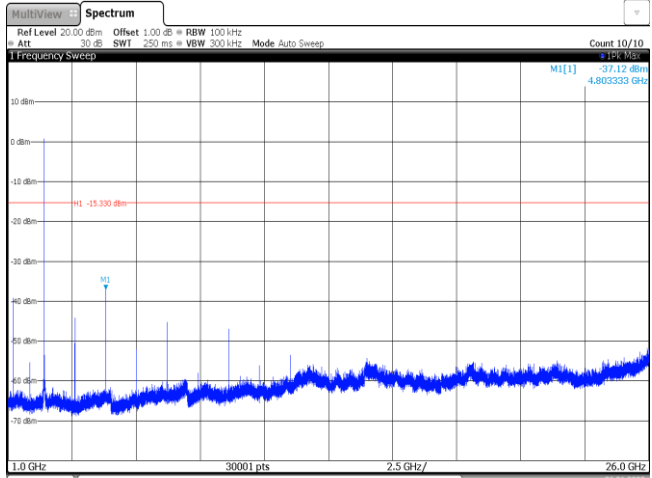


CH78
30MHz~1000MHz

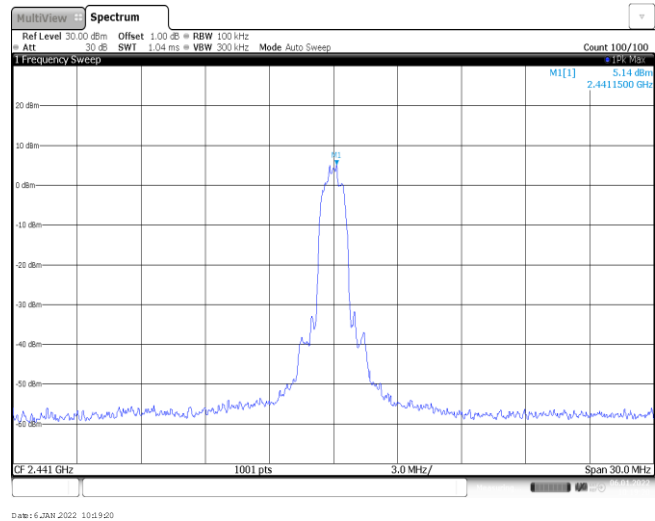


CH78
1GHz~26GHz

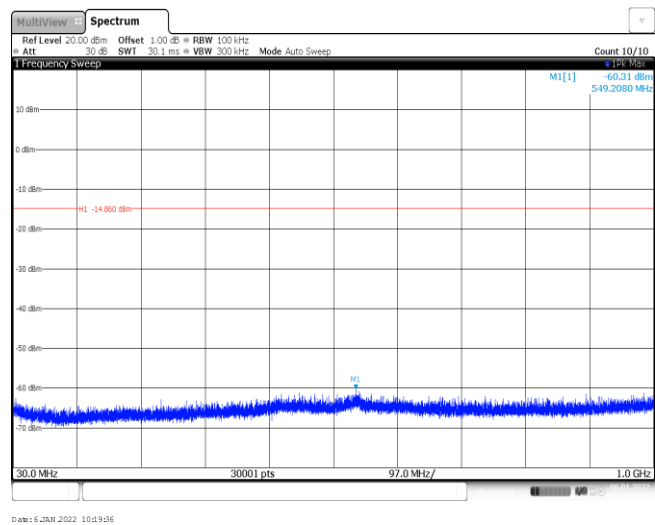


Test Item:	Spurious Emission	Modulation type:	8DPSK
CH00 Reference level			
CH00 30MHz~1000MHz			
CH00 1GHz~26GHz			

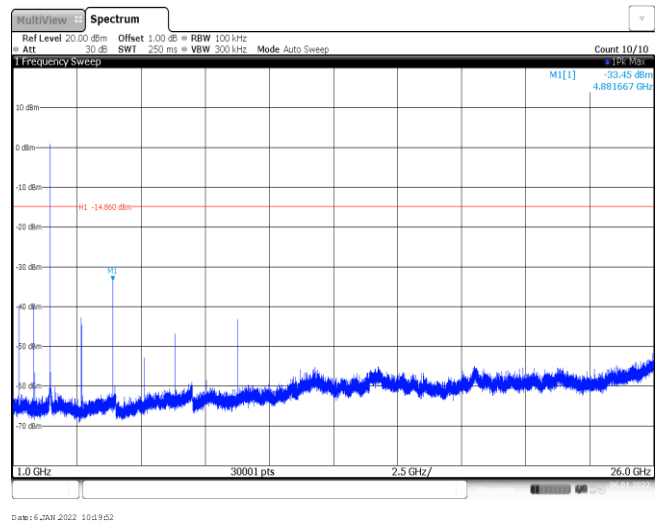
CH39
Reference level



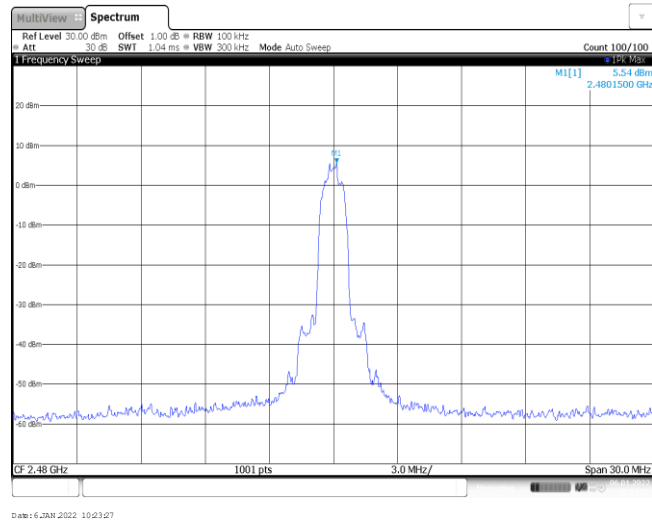
CH39
30MHz~1000MHz



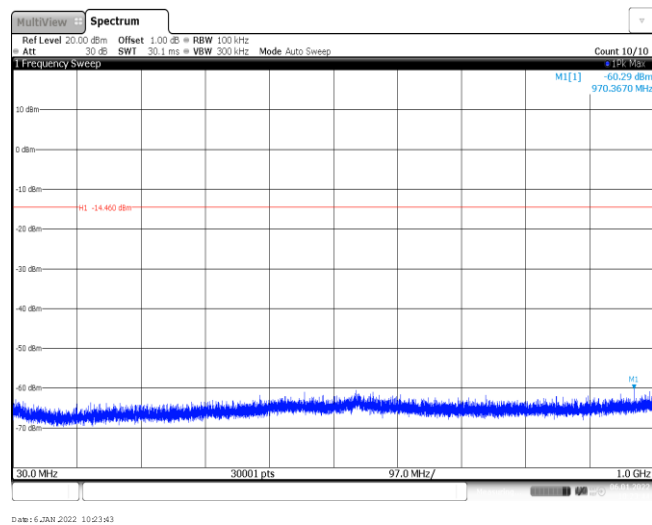
CH39
1GHz~26GHz



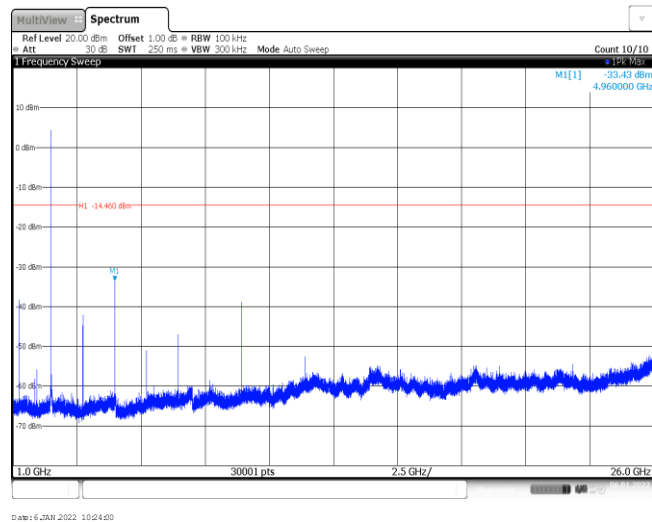
CH78
Reference level



CH78
30MHz~1000MHz



CH78
1GHz~26GHz



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