

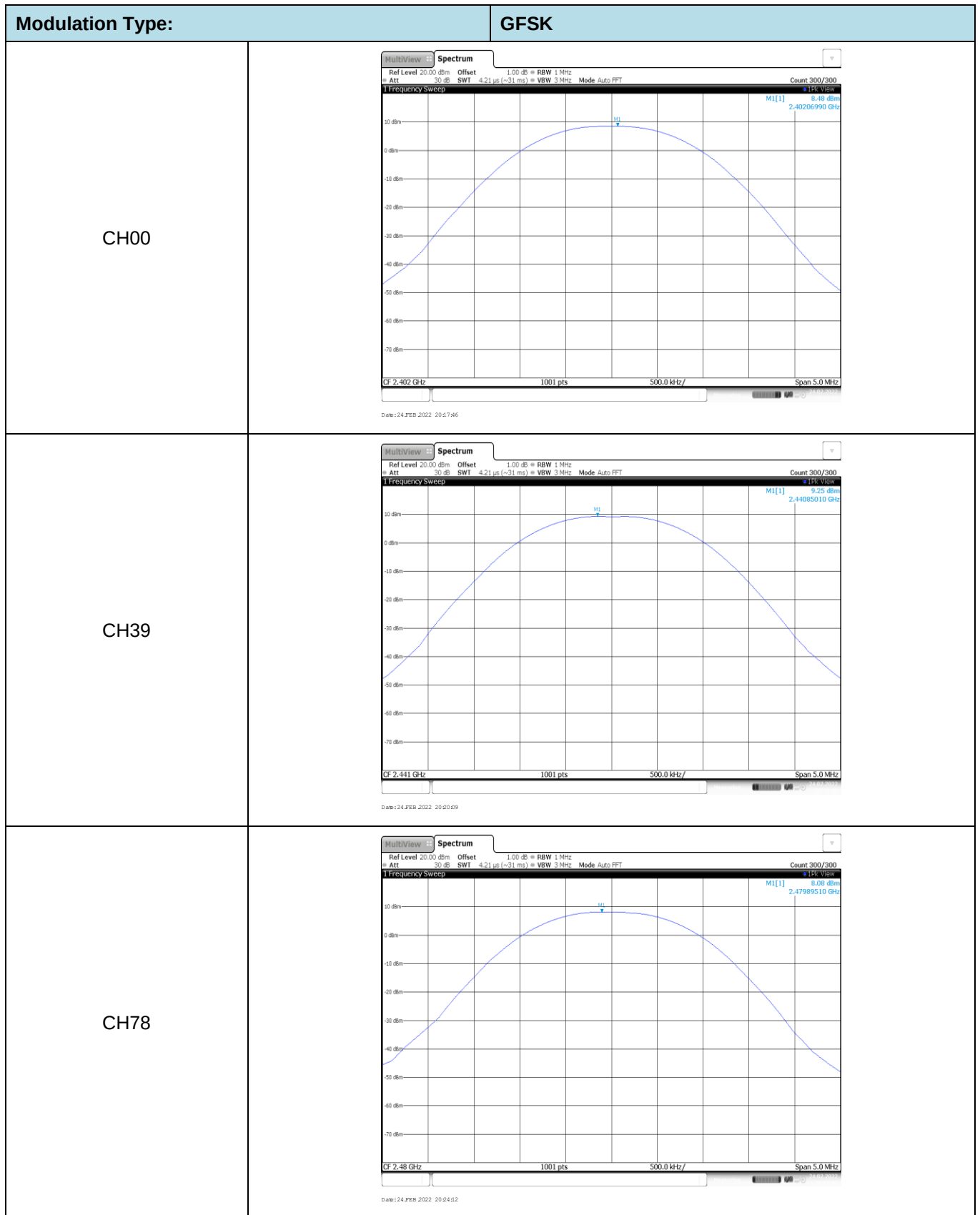
APPENDIX REPORT

Project No.	SHT2202018603EW	Radio Specification	Bluetooth EDR
Test sample No.	YPHT22020186003	Model No.	EyeOn-12WC
Start test date	2022-02-24	Finish date	2022-02-25
Temperature	24.2℃	Humidity	40%
Test Engineer	Hailey Chen	Auditor	Xiaodong Zhao

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

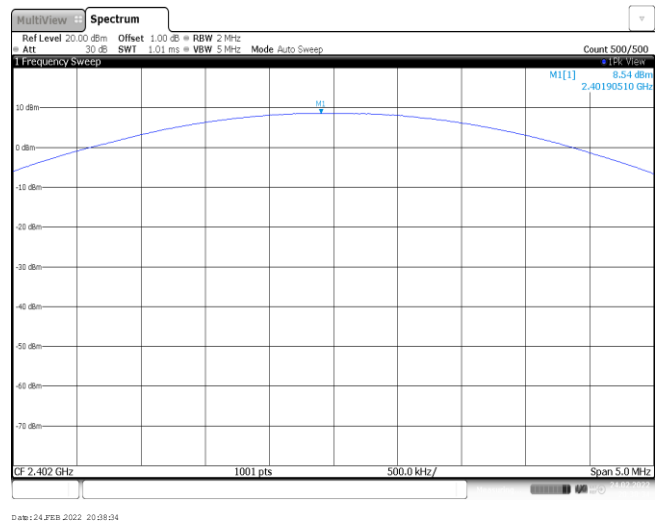
Modulation type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
GFSK	00	8.48	8.45	≤ 30.00	Pass
	39	9.25	9.18		
	78	8.08	8.14		
$\pi/4$ DQPSK	00	8.54	8.02	≤ 21.00	Pass
	39	9.27	8.70		
	78	8.07	7.50		
8DPSK	00	8.42	8.04	≤ 21.00	Pass
	39	9.43	8.87		
	78	8.17	7.65		



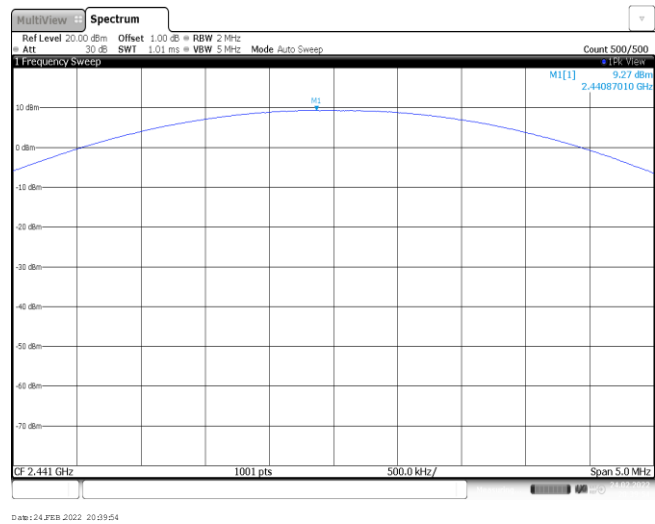
Modulation Type:

 $\pi/4$ DQPSK

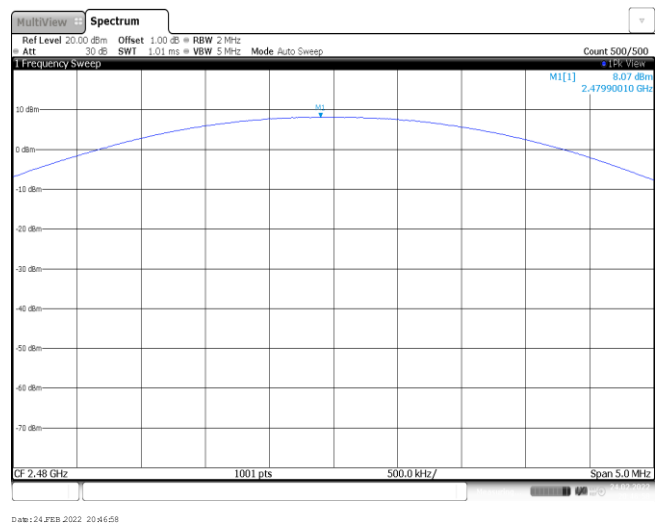
CH00



CH39



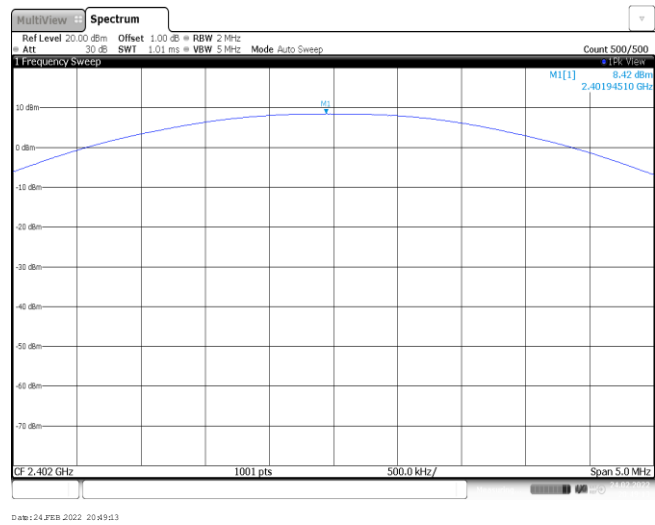
CH78



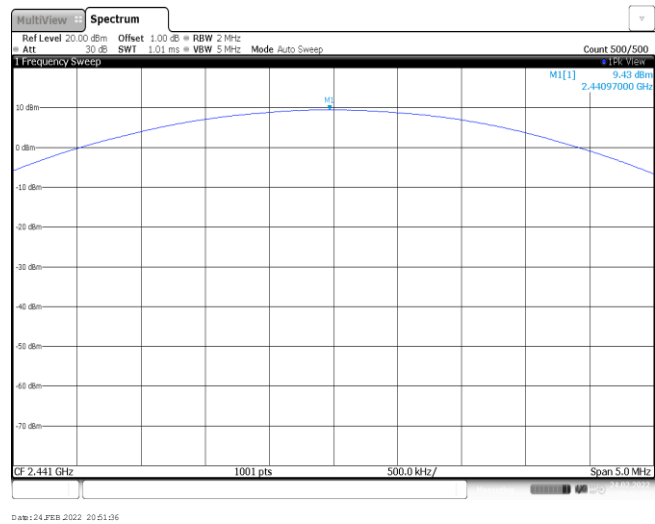
Modulation Type:

8DPSK

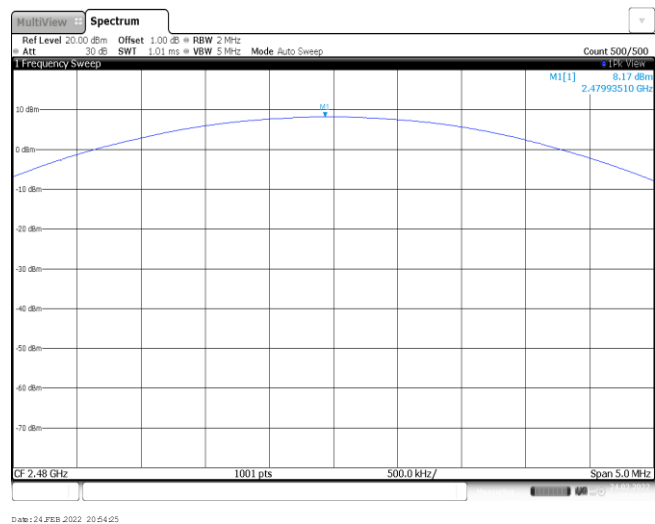
CH00



CH39



CH78



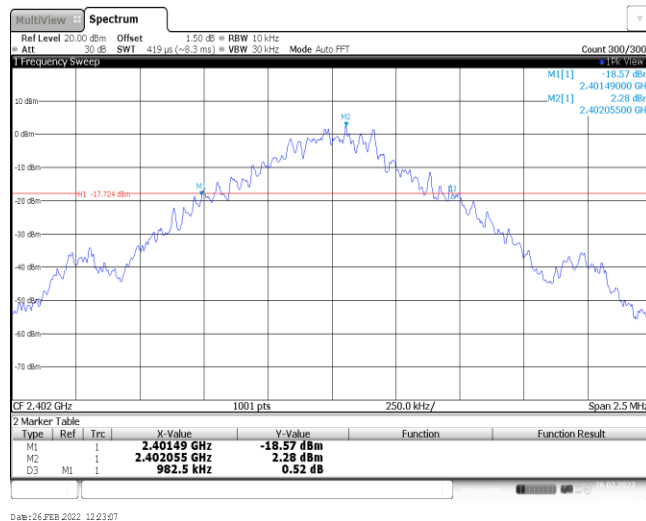
Appendix B : 20 dB Bandwidth

Modulation type	Channel	20 dB Bandwidth (kHz)	Limit (kHz)	Result
GFSK	00	982.50	-	Pass
	39	930.00		
	78	932.50		
$\pi/4$ DQPSK	00	1315.00	-	Pass
	39	1287.50		
	78	1310.00		
8DPSK	00	1305.00	-	Pass
	39	1295.00		
	78	1307.50		

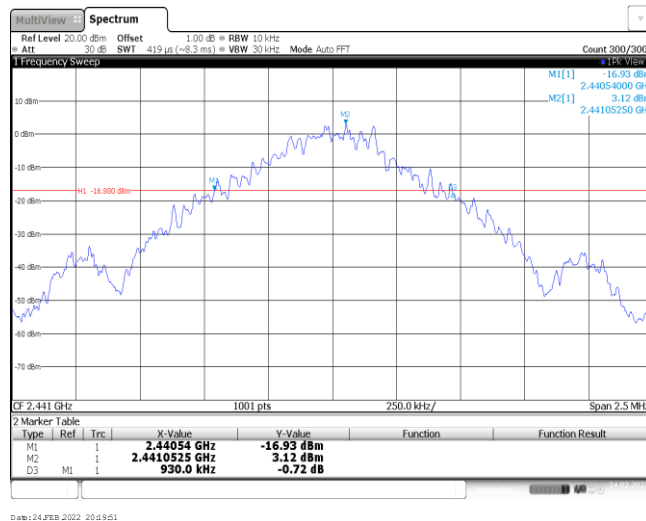
Modulation Type:

GFSK

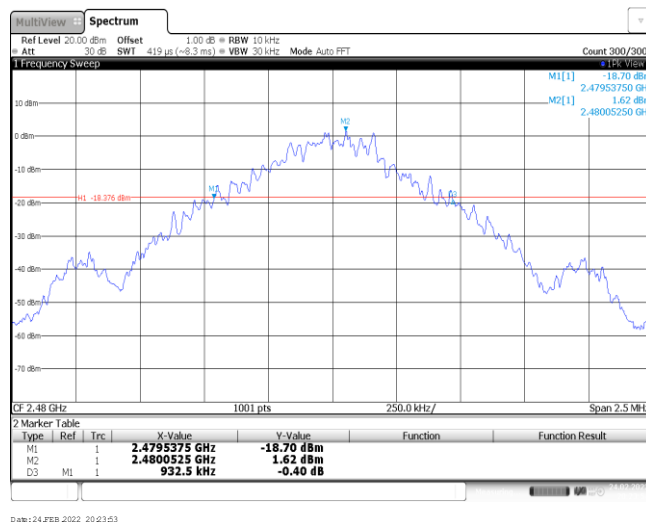
CH00



CH39



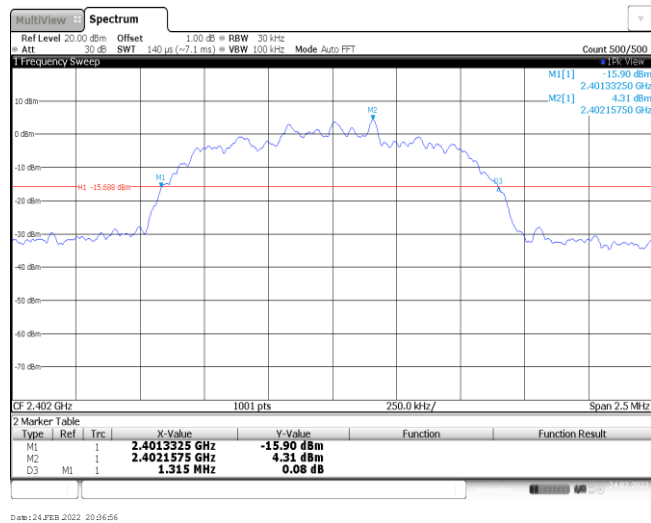
CH78



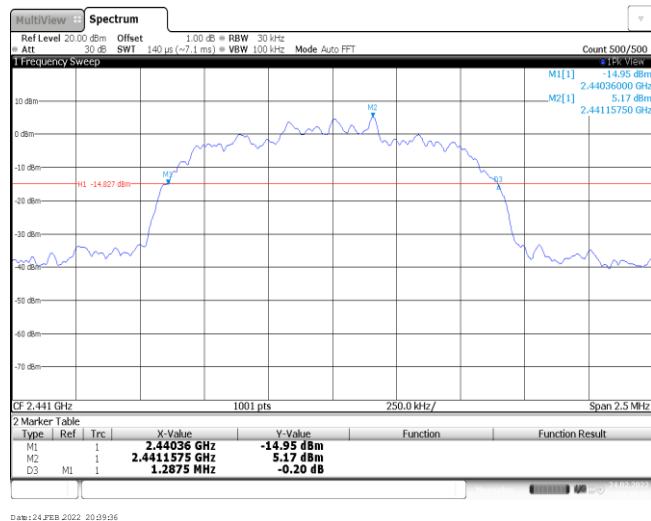
Modulation Type:

 $\pi/4$ DQPSK

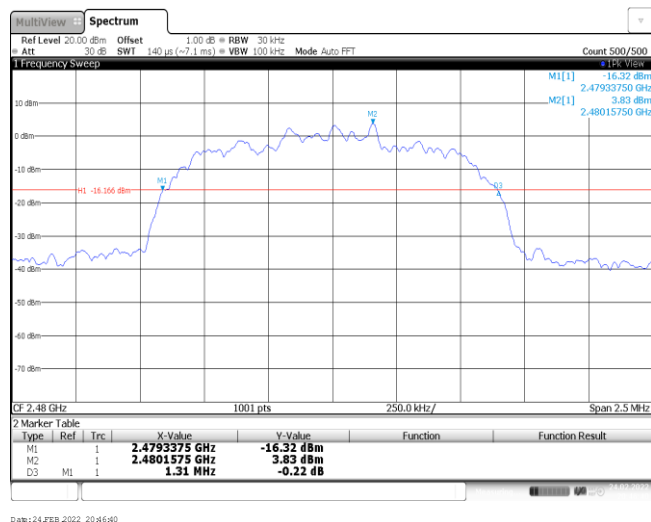
CH00



CH39



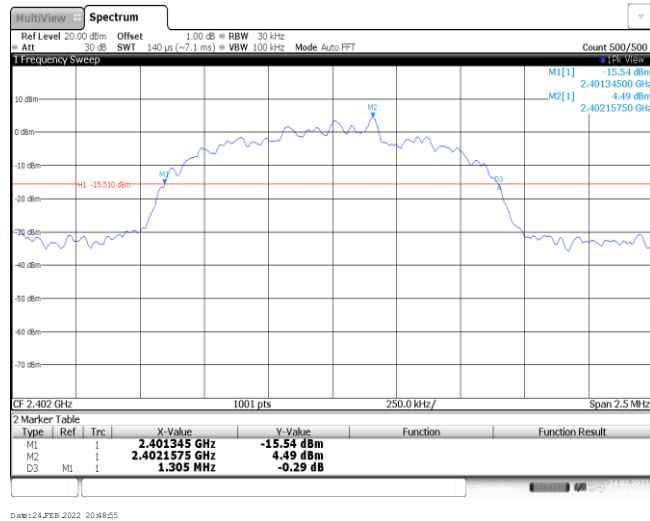
CH78



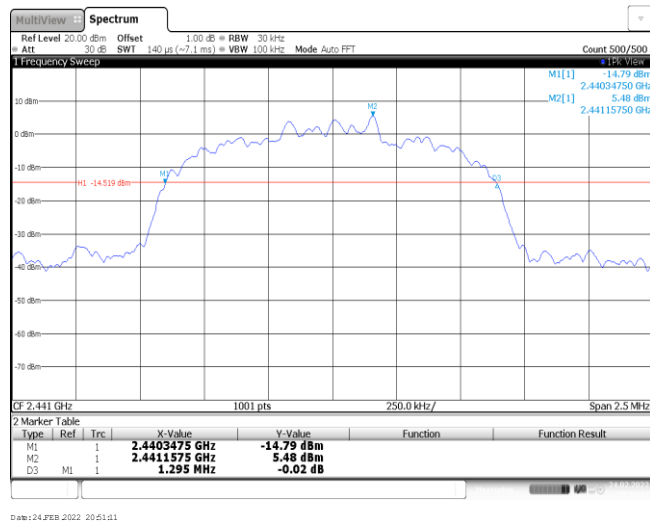
Modulation Type:

8DPSK

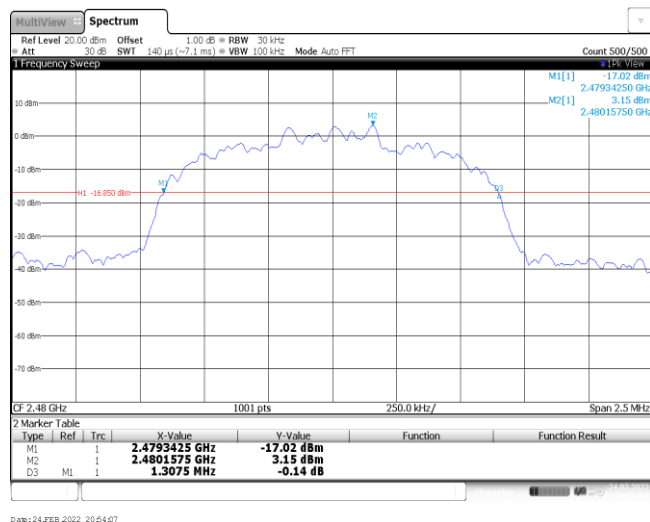
CH00



CH39



CH78



Appendix C: 99% Occupied Bandwidth

Modulation type	Channel	99% Occupied Bandwidth (MHz)	Limit (MHz)	Result
GFSK	00	0.94	-	Pass
	39	0.90		
	78	0.91		
$\pi/4$ DQPSK	00	1.18	-	Pass
	39	1.17		
	78	1.17		
8DPSK	00	1.19	-	Pass
	39	1.17		
	78	1.18		

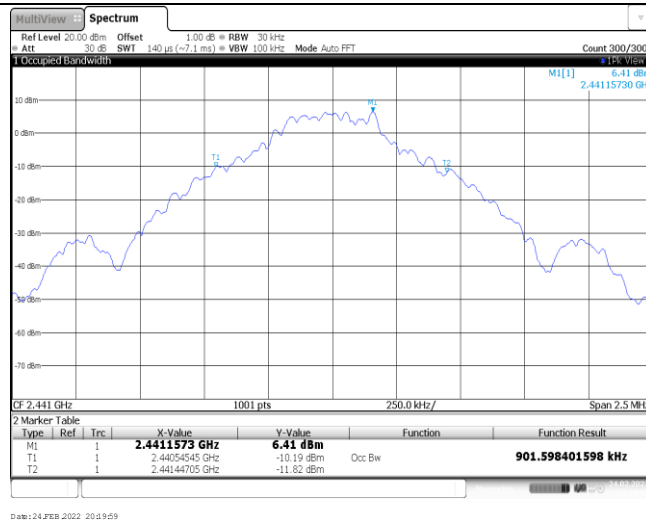
Modulation Type:

GFSK

CH00



CH39



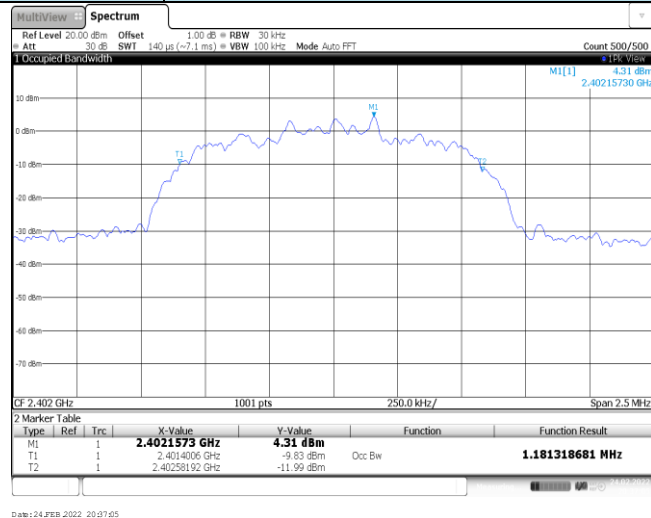
CH78



Modulation Type:

 π /4DQPSK

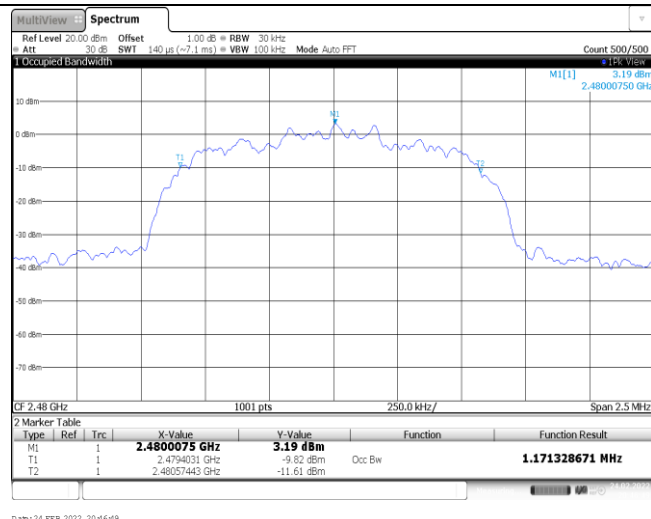
CH00



CH39



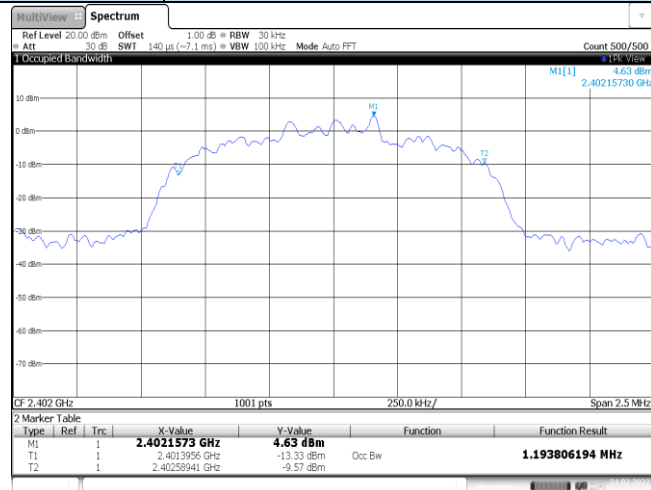
CH78



Modulation Type:

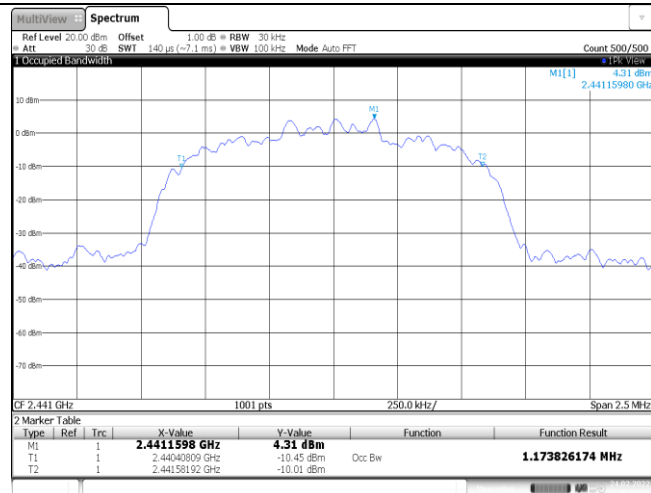
8DPSK

CH00



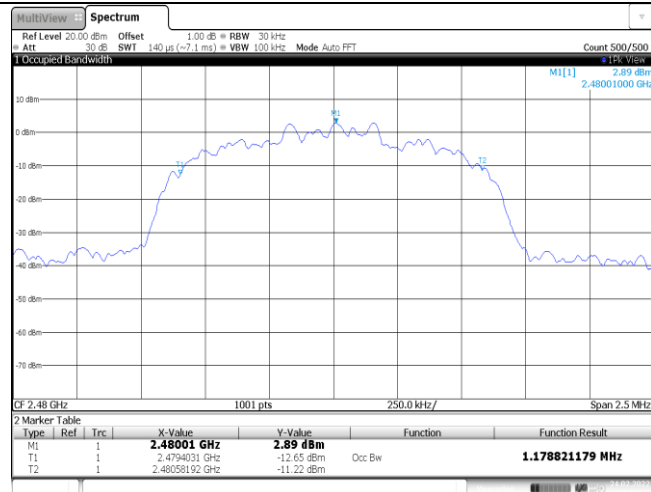
Date: 24.FEB.2022 20:49:04

CH39



Date: 24.FEB.2022 20:51:26

CH78



Date: 24.FEB.2022 20:54:15

Appendix D: Carrier Frequencies Separation

Modulation type	Channel	Carrier Frequencies Separation (MHz)	Limit (kHz) *	Result
GFSK	39	1.00	≥982.50	Pass
π/4DQPSK	39	1.00	≥876.67	Pass
8DPSK	39	1.00	≥871.67	Pass

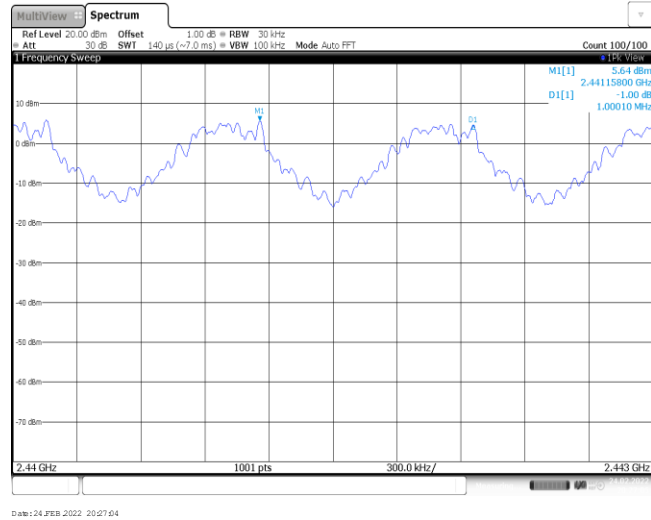
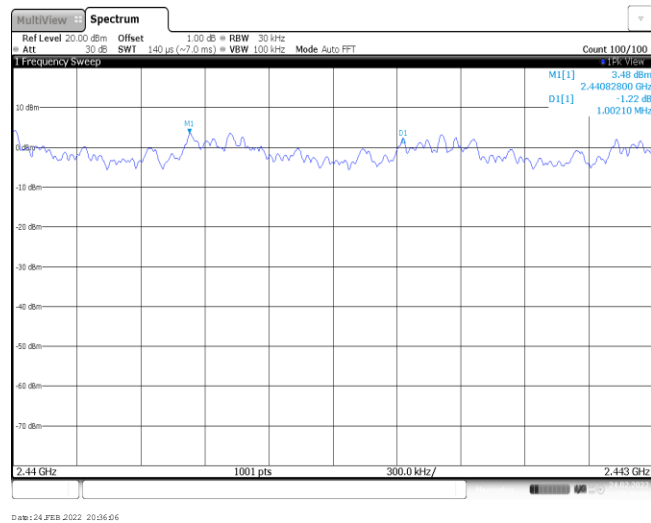
Note:

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

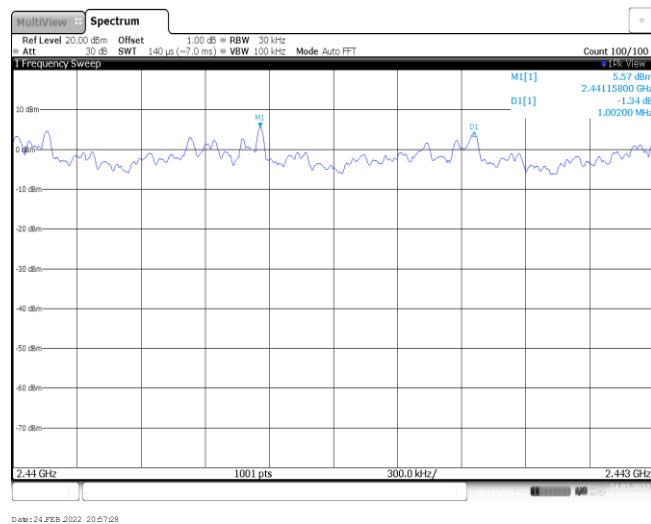
π/4DQPSK limit = 2/3 * The maximum 20 dB Bandwidth for π/4DQPSK modulation on the appendix B.

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

GFSK

 $\pi/4$ DQPSK

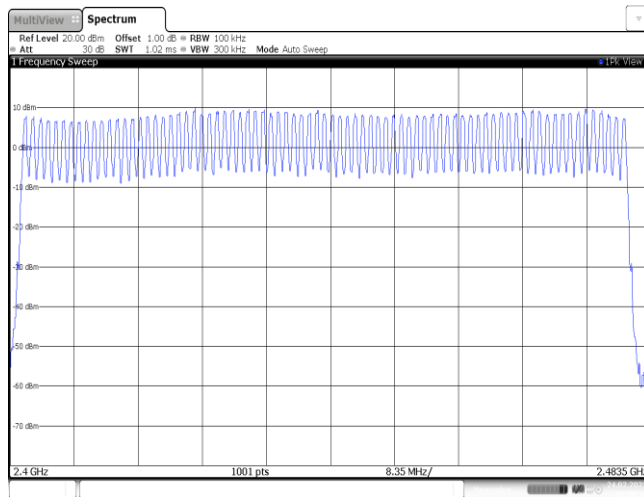
8DPSK



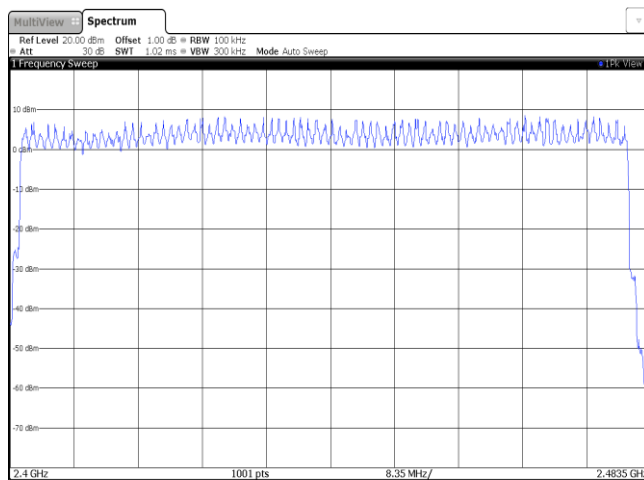
Appendix E: Hopping Channel Number

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

GFSK

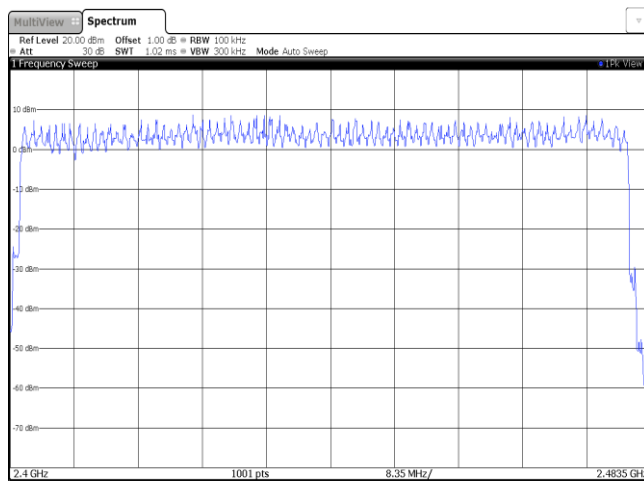


Date: 24.FEB.2022 20:28:26

 $\pi/4$ DQPSK

Date: 24.FEB.2022 20:32:46

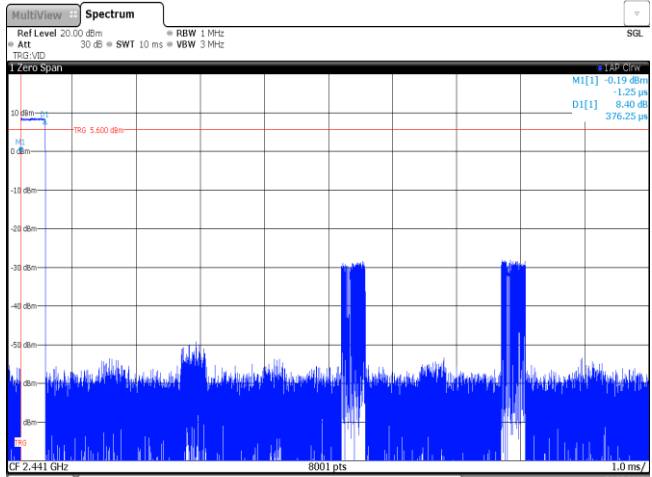
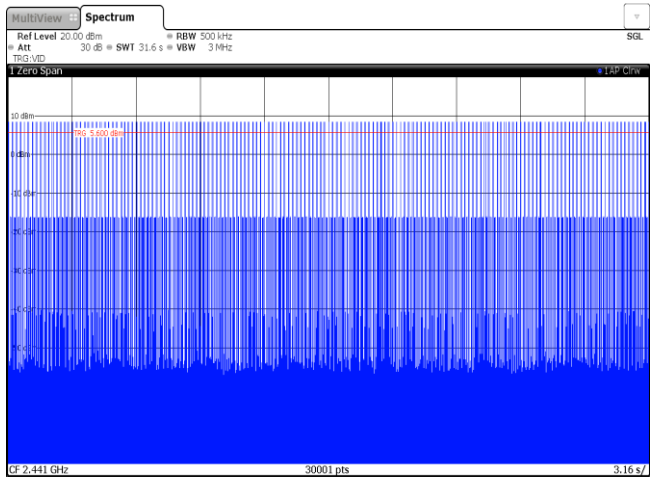
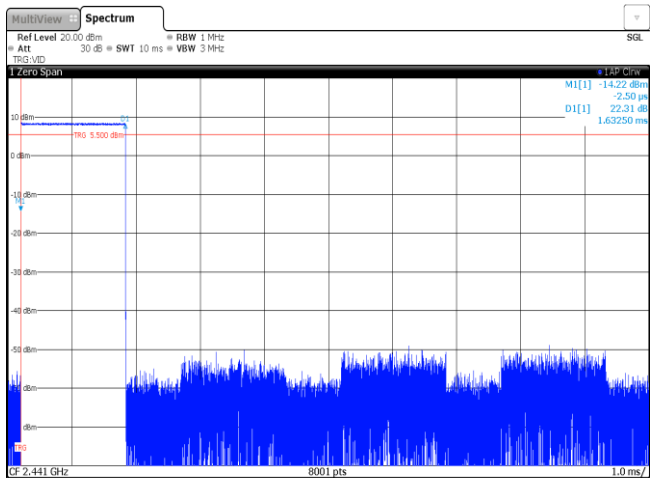
8DPSK



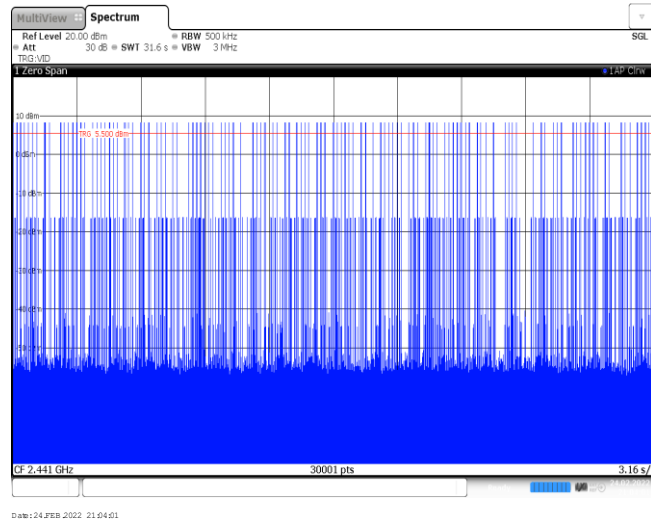
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Appendix F: Dwell Time

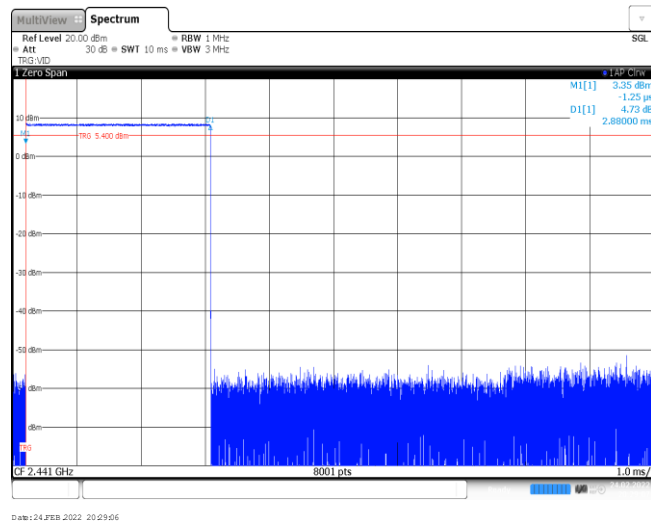
Modulation type	Packet	Burst Width [ms]	Total Hops[hop*ch]	Dwell time (Second)	Limit (Second)	Result
GFSK	DH1	0.38	317	0.12	≤ 0.40	Pass
	DH3	1.63	161	0.26		
	DH5	2.88	108	0.31		
$\pi/4$ DQPSK	2DH1	0.38	313	0.12	≤ 0.40	Pass
	2DH3	1.64	158	0.26		
	2DH5	2.88	114	0.33		
8DPSK	3DH1	0.38	316	0.12	≤ 0.40	Pass
	3DH3	1.64	162	0.27		
	3DH5	2.89	96	0.28		

Modulation Type:	GFSK
DH1 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 -80 to 10. The x-axis represents time in ms, ranging from 0 to 1.0 ms. The plot shows a burst of signal at approximately 0.5 ms and 0.8 ms. The signal level is around -10 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 also shows a 'Zero Span' view and a '1AP Chirp' view. The plot is dated 24.FEB.2022 21:02:02.
DH1 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 -80 to 10. The x-axis represents time in s, ranging from 0 to 3.16 s. The plot shows a continuous burst of signal. The signal level is around -10 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 also shows a 'Zero Span' view and a '1AP Chirp' view. The plot is dated 24.FEB.2022 21:02:06.
DH3 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 -80 to 10. The x-axis represents time in ms, ranging from 0 to 1.0 ms. The plot shows a burst of signal at approximately 0.5 ms and 0.8 ms. The signal level is around -10 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 also shows a 'Zero Span' view and a '1AP Chirp' view. The plot is dated 24.FEB.2022 21:03:27.

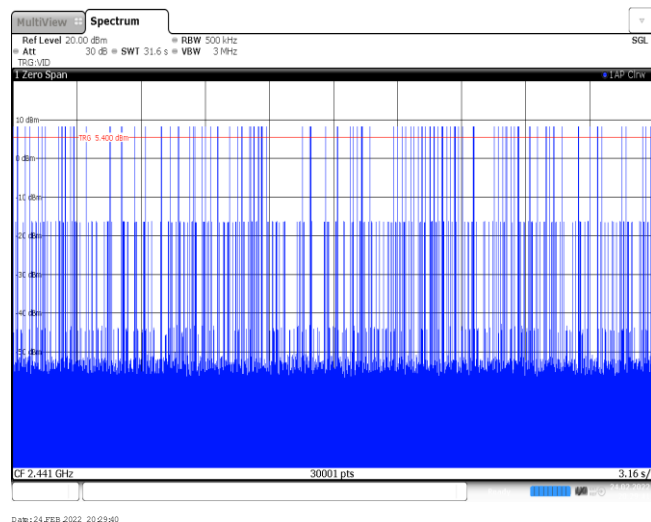
DH3
Burst number

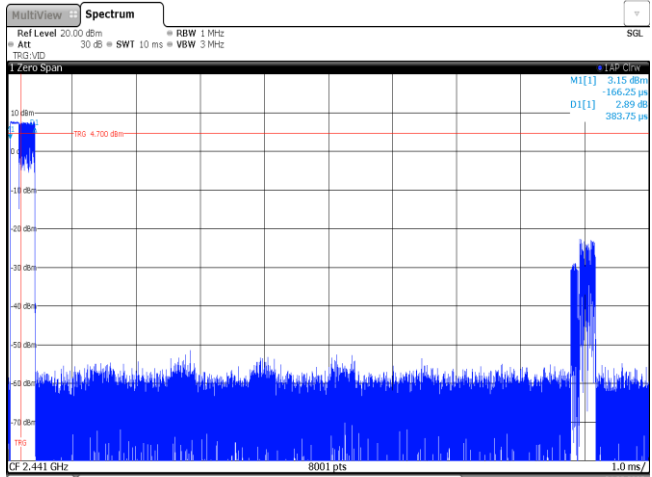
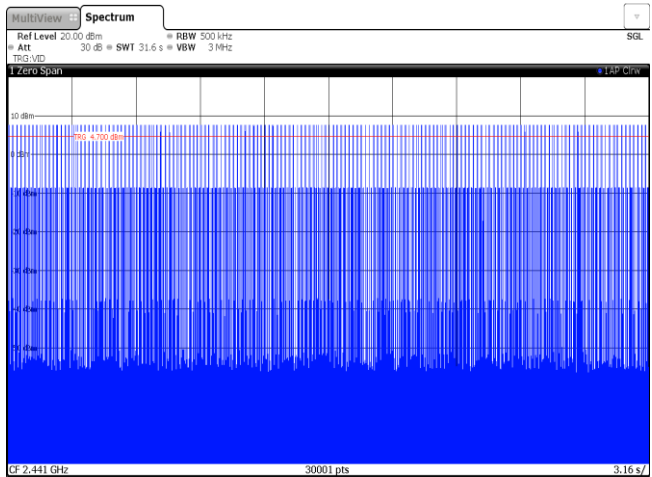
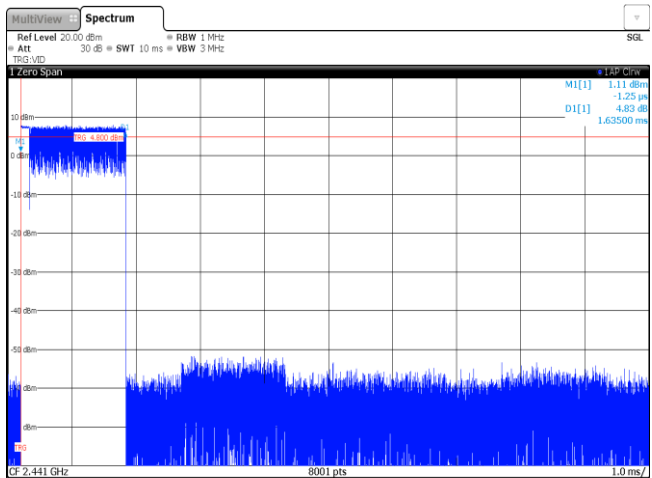


DH5
Burst width

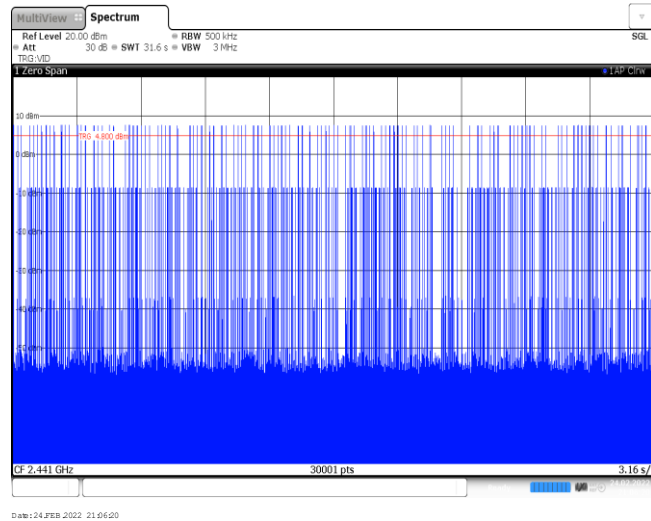


DH5
Burst number

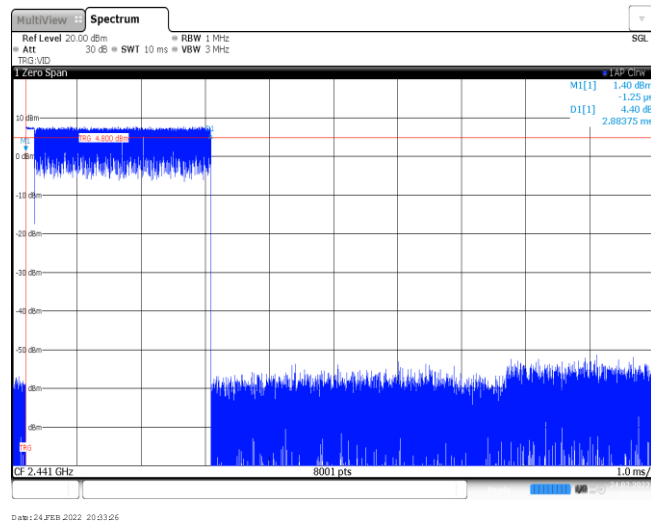


Modulation Type:	$\pi/4$ DQPSK
2DH1 Burst width	 The spectrum plot shows a signal at 2.441 GHz with a bandwidth of 8001 pts. The y-axis represents power in dBm, ranging from -60 to 10. A red line indicates a reference level at -4.700 dBm. The plot shows a burst of signal at the top of the frequency range, with a peak power of approximately -4.700 dBm. The x-axis represents time in ms, ranging from 0 to 1.0 ms. The plot is titled 'Spectrum' and 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 24.FEB.2022 21:04:25.
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. A red line indicates a reference level at -4.700 dBm. The plot shows a burst of signal at the top of the frequency range, with a peak power of approximately -4.700 dBm. The x-axis represents time in s, ranging from 0 to 3.16 s. The plot is titled 'Spectrum' and 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 24.FEB.2022 21:05:09.
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. A red line indicates a reference level at -4.800 dBm. The plot shows a burst of signal at the top of the frequency range, with a peak power of approximately -4.800 dBm. The x-axis represents time in ms, ranging from 0 to 1.0 ms. The plot is titled 'Spectrum' and 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 24.FEB.2022 21:05:46.

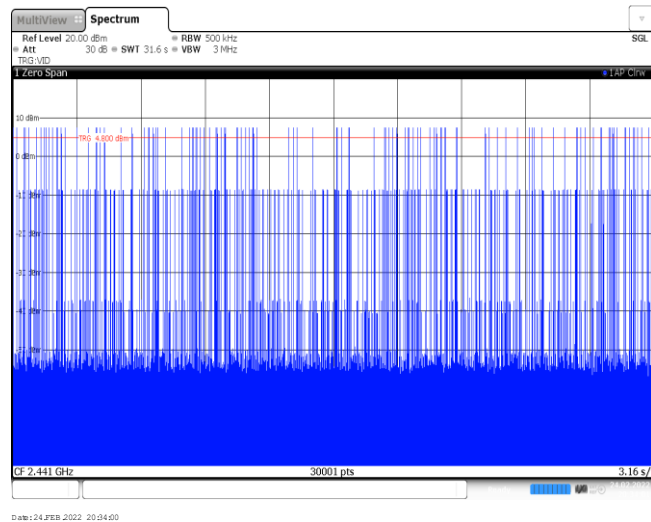
2DH3
Burst number

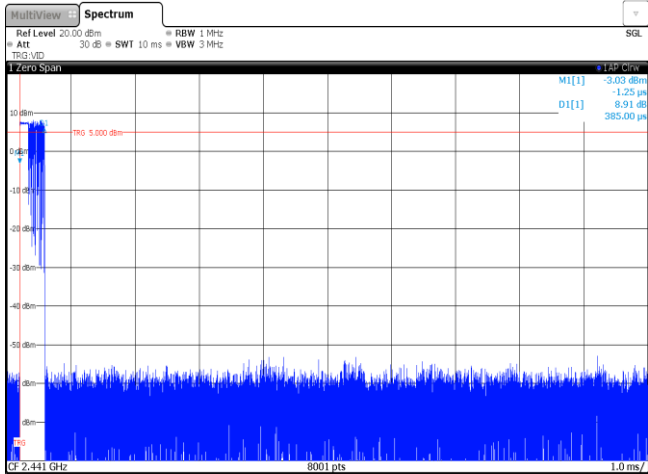
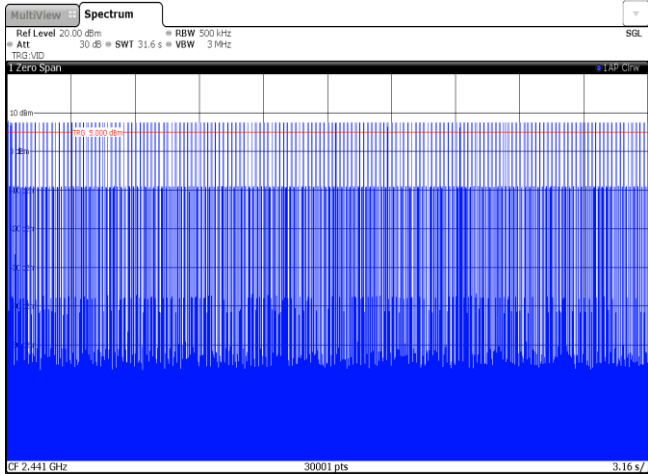
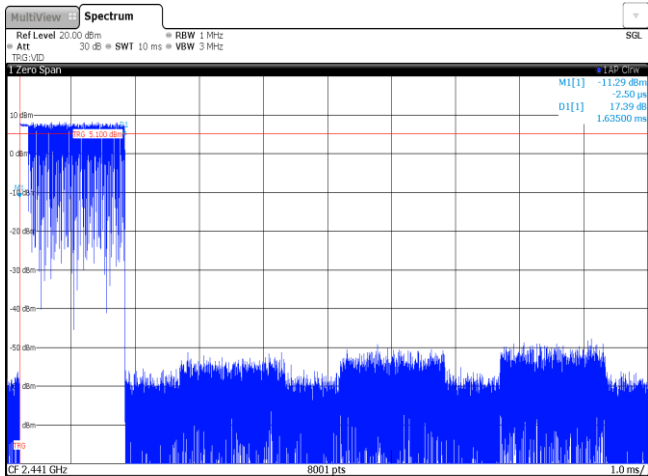


2DH5
Burst width



2DH5
Burst number



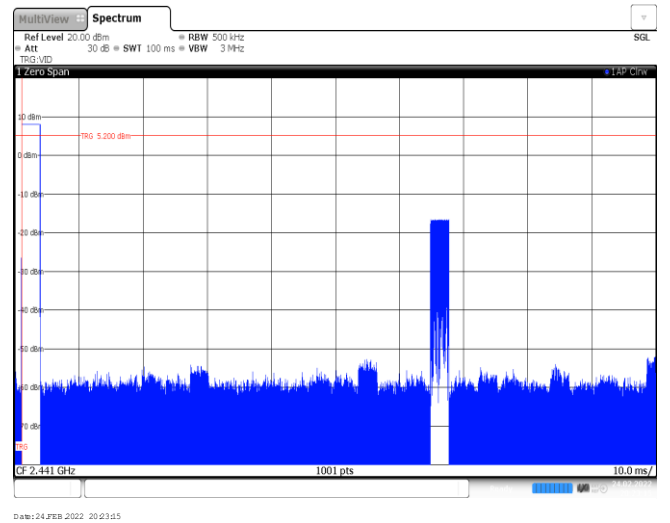
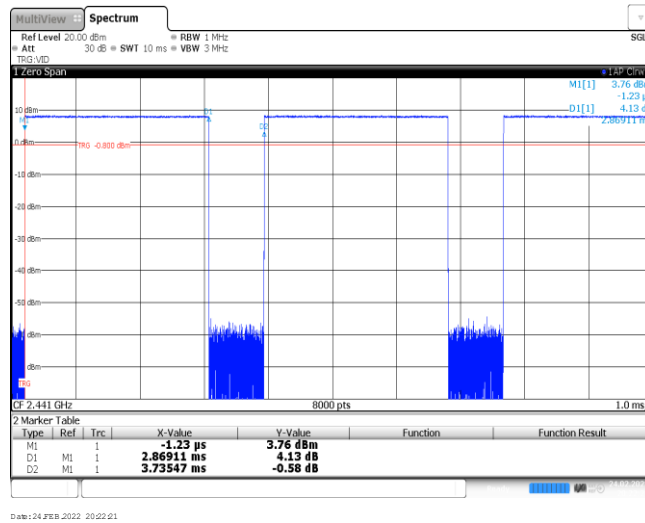
Modulation Type: 8DPSK	
3DH1 Burst width	 Ref Level 20.00 dBm Att 30 dB RBW 1 MHz SWT 10 ms VBW 3 MHz TSG V/D 1 Zero Span CF 2.441 GHz 8001 pts 1.0 ms/ Date: 24.FEB.2022 21:06:54
3DH1 Burst number	 Ref Level 20.00 dBm Att 30 dB RBW 500 kHz SWT 31.6 s VBW 3 MHz TSG V/D 1 Zero Span CF 2.441 GHz 30001 pts 3.16 s/ Date: 24.FEB.2022 21:07:28
3DH3 Burst width	 Ref Level 20.00 dBm Att 30 dB RBW 1 MHz SWT 10 ms VBW 3 MHz TSG V/D 1 Zero Span CF 2.441 GHz 8001 pts 1.0 ms/ Date: 24.FEB.2022 21:07:57

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

Appendix G: Duty Cycle Correction Factor (DCCF)

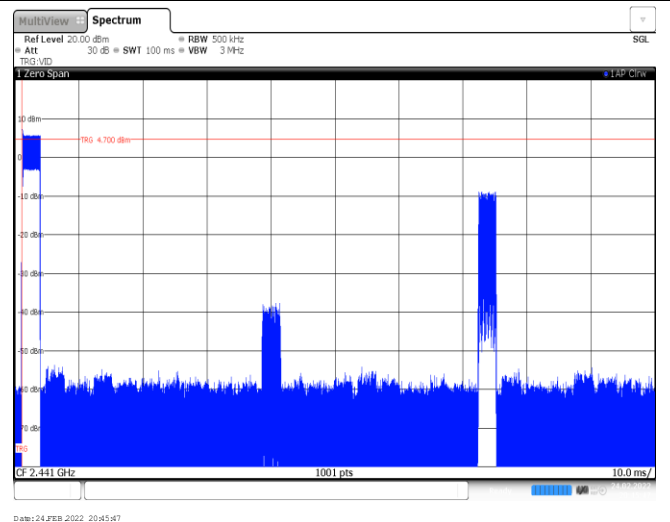
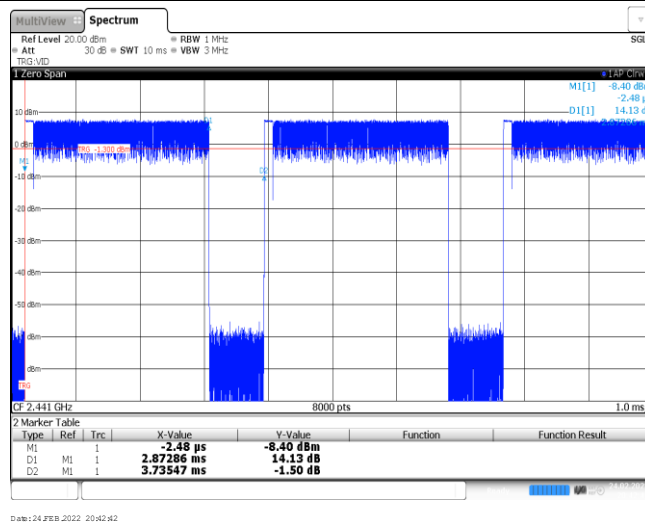
DCCF Calculate Formula					
$DCCF = 20 * \text{Log}(\text{duty cycle}) = 20 * \text{Log}(T_{\text{on time}} / T_{\text{period}})$					
Modulation type	Test Frequency (MHz)	$T_{\text{on time}}$ for single burst [ms]	T_{period} [ms]	Burst Quantity	DCCF [dB]
GFSK	2441	2.87	100	2	-24.82
$\pi/4$ DQPSK	2441	2.87	100	2	-24.82
8DPSK	2441	2.87	100	2	-24.82

GFSK



Ton time for single burst

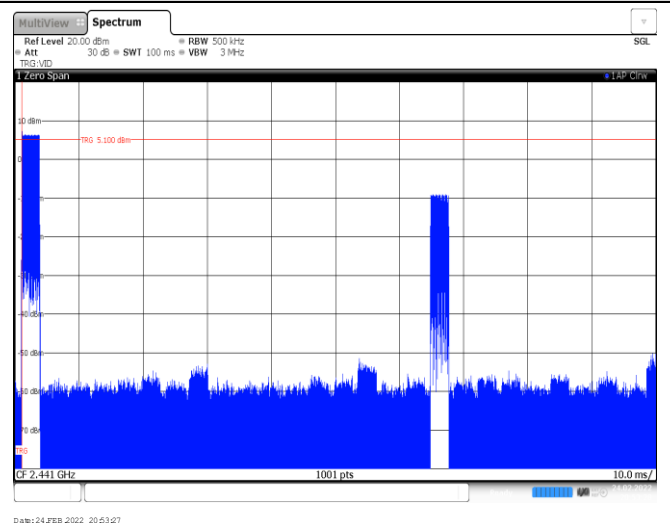
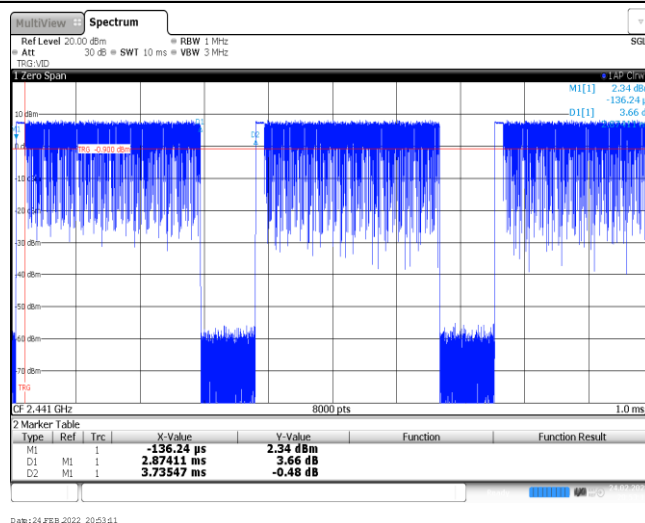
Burst Quantity

 $\pi/4$ DQPSK

Ton time for single burst

Burst Quantity

8DPSK



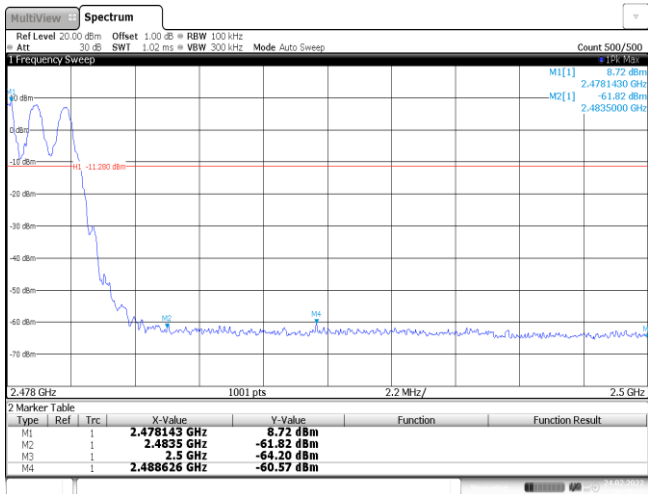
Ton time for single burst

Burst Quantity

Appendix H: Band edge and Spurious Emissions (conducted)

Test Item:	Band edge	Modulation type:	GFSK																																										
CH00 No hopping mode	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 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] 8.08 dBm M2 [1] 2.4021050 GHz M3 [1] 51.16 dBm M4 [1] 2.4000000 GHz 2.31 GHz1001 pts9.5 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>2.402105 GHz</td><td>8.08 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-51.16 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-63.39 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-62.88 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399965 GHz</td><td>-51.75 dBm</td><td></td><td></td></tr></tbody></table> Date: 24 FEB 2022 20:18:27			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.402105 GHz	8.08 dBm			M2	1		2.4 GHz	-51.16 dBm			M3	1		2.39 GHz	-63.39 dBm			M4	1		2.31 GHz	-62.88 dBm			M5	1		2.399965 GHz	-51.75 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.402105 GHz	8.08 dBm																																									
M2	1		2.4 GHz	-51.16 dBm																																									
M3	1		2.39 GHz	-63.39 dBm																																									
M4	1		2.31 GHz	-62.88 dBm																																									
M5	1		2.399965 GHz	-51.75 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 1 Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1 [1] 7.08 dBm M2 [1] 2.4029600 GHz M3 [1] -50.34 dBm M4 [1] 2.4000000 GHz 2.31 GHz1001 pts9.5 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>2.40296 GHz</td><td>7.08 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-50.34 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-63.88 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-63.80 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399965 GHz</td><td>-54.56 dBm</td><td></td><td></td></tr></tbody></table> Date: 24 FEB 2022 20:28:40			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40296 GHz	7.08 dBm			M2	1		2.4 GHz	-50.34 dBm			M3	1		2.39 GHz	-63.88 dBm			M4	1		2.31 GHz	-63.80 dBm			M5	1		2.399965 GHz	-54.56 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.40296 GHz	7.08 dBm																																									
M2	1		2.4 GHz	-50.34 dBm																																									
M3	1		2.39 GHz	-63.88 dBm																																									
M4	1		2.31 GHz	-63.80 dBm																																									
M5	1		2.399965 GHz	-54.56 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 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] 7.75 dBm M2 [1] 2.4798350 GHz M3 [1] -58.84 dBm M4 [1] 2.4835000 GHz 2.478 GHz1001 pts2.2 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>7.75 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-58.84 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-63.92 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.483742 GHz</td><td>-58.85 dBm</td><td></td><td></td></tr></tbody></table> Date: 24 FEB 2022 20:24:49			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.479835 GHz	7.75 dBm			M2	1		2.4835 GHz	-58.84 dBm			M3	1		2.5 GHz	-63.92 dBm			M4	1		2.483742 GHz	-58.85 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.479835 GHz	7.75 dBm																																									
M2	1		2.4835 GHz	-58.84 dBm																																									
M3	1		2.5 GHz	-63.92 dBm																																									
M4	1		2.483742 GHz	-58.85 dBm																																									

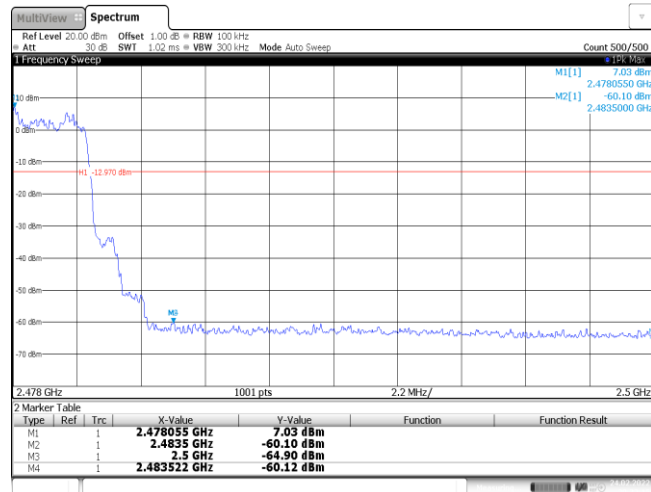
CH78
Hopping mode



Date: 24 FEB 2022 20:28:54

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 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 2.31 GHz 1001 pts 9.5 MHz/ 2.405 GHz M1[1] 7.50 dBm 2.401821 GHz M2[1] -43.57 dBm 2.400000 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>7.50 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-43.57 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-61.88 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-64.85 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.39987 GHz</td><td>-44.25 dBm</td><td></td><td></td></tr></table> Date: 24.FEB.2022 20:37:29			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.401821 GHz	7.50 dBm			M2	1		2.4 GHz	-43.57 dBm			M3	1		2.39 GHz	-61.88 dBm			M4	1		2.31 GHz	-64.85 dBm			M5	1		2.39987 GHz	-44.25 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.401821 GHz	7.50 dBm																																									
M2	1		2.4 GHz	-43.57 dBm																																									
M3	1		2.39 GHz	-61.88 dBm																																									
M4	1		2.31 GHz	-64.85 dBm																																									
M5	1		2.39987 GHz	-44.25 dBm																																									
CH00 Hopping mode	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 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 2.31 GHz 1001 pts 9.5 MHz/ 2.405 GHz M1[1] 6.61 dBm 2.404953 GHz M2[1] -47.06 dBm 2.400000 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>2.404953 GHz</td><td>6.61 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-47.06 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-63.40 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-64.94 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399965 GHz</td><td>-45.25 dBm</td><td></td><td></td></tr></table> Date: 24.FEB.2022 20:31:01			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.404953 GHz	6.61 dBm			M2	1		2.4 GHz	-47.06 dBm			M3	1		2.39 GHz	-63.40 dBm			M4	1		2.31 GHz	-64.94 dBm			M5	1		2.399965 GHz	-45.25 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.404953 GHz	6.61 dBm																																									
M2	1		2.4 GHz	-47.06 dBm																																									
M3	1		2.39 GHz	-63.40 dBm																																									
M4	1		2.31 GHz	-64.94 dBm																																									
M5	1		2.399965 GHz	-45.25 dBm																																									
CH78 No hopping mode	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 1.02 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 2.478 GHz 1001 pts 2.2 MHz/ 2.5 GHz M1[1] 6.93 dBm 2.479835 GHz M2[1] -59.72 dBm 2.483500 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>6.93 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-59.72 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-64.37 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.489352 GHz</td><td>-59.21 dBm</td><td></td><td></td></tr></table> Date: 24.FEB.2022 20:47:30			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.479835 GHz	6.93 dBm			M2	1		2.4835 GHz	-59.72 dBm			M3	1		2.5 GHz	-64.37 dBm			M4	1		2.489352 GHz	-59.21 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.479835 GHz	6.93 dBm																																									
M2	1		2.4835 GHz	-59.72 dBm																																									
M3	1		2.5 GHz	-64.37 dBm																																									
M4	1		2.489352 GHz	-59.21 dBm																																									

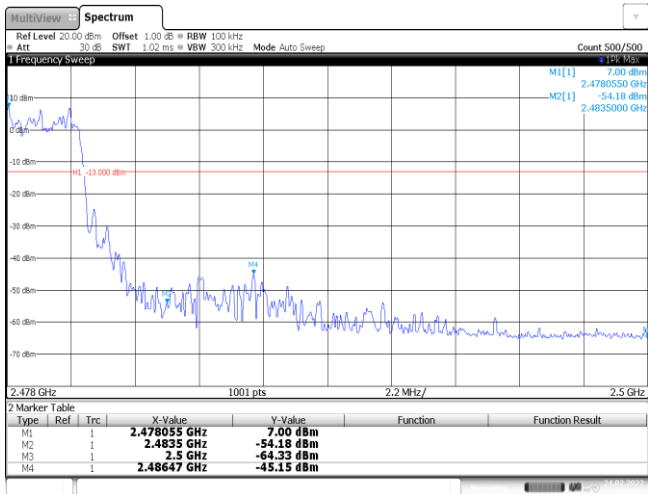
CH78
Hopping mode

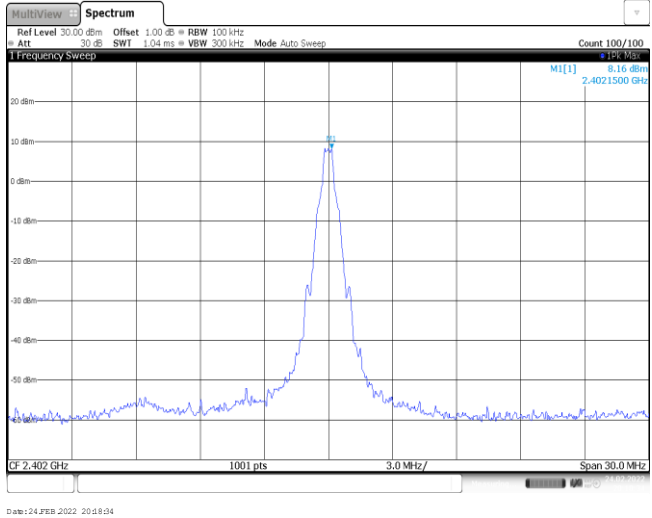
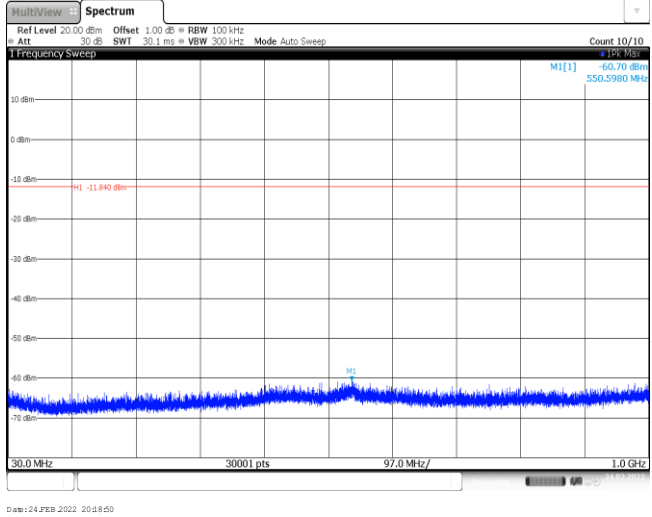
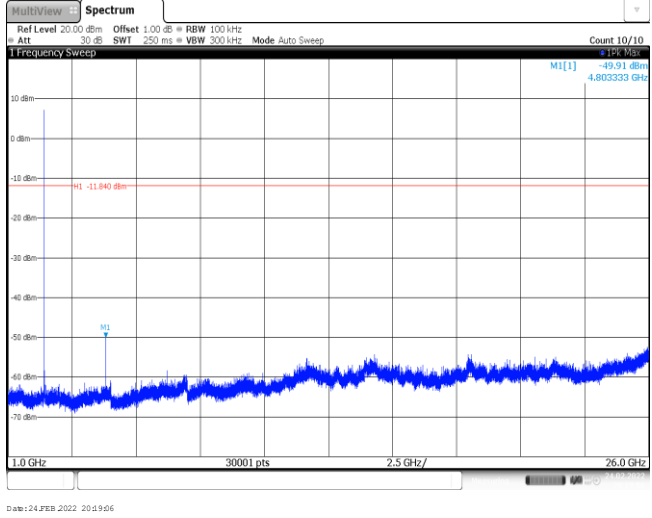


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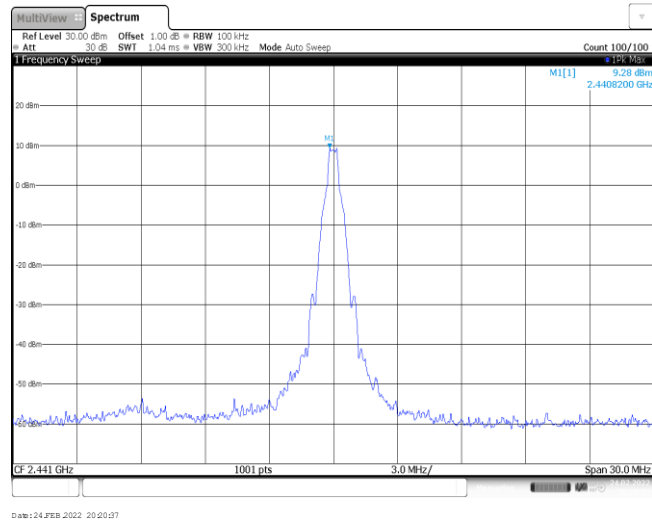
Test Item:	Band edge	Modulation type:	8DPSK																																										
CH00 No hopping mode	MultiViewSpectrum Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SW 1.05 ms VBW 300 kHz Mode Auto Sweep Count 500/500 Frequency Sweep M1[1] 7.47 dBm 2.4021050 GHz M2[1] -44.46 dBm 2.4000000 GHz -12.530 dBm M1 -12.530 dBm 2.31 GHz1001 pts9.5 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>7.47 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-44.46 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-62.32 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-64.83 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399585 GHz</td><td>-43.33 dBm</td><td></td><td></td></tr></table> Date: 24.FEB.2022 20:49:52			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.402105 GHz	7.47 dBm			M2	1		2.4 GHz	-44.46 dBm			M3	1		2.39 GHz	-62.32 dBm			M4	1		2.31 GHz	-64.83 dBm			M5	1		2.399585 GHz	-43.33 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.402105 GHz	7.47 dBm																																									
M2	1		2.4 GHz	-44.46 dBm																																									
M3	1		2.39 GHz	-62.32 dBm																																									
M4	1		2.31 GHz	-64.83 dBm																																									
M5	1		2.399585 GHz	-43.33 dBm																																									
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] 6.64 dBm 2.4040030 GHz M2[1] -45.60 dBm 2.4000000 GHz -13.300 dBm M1 -13.300 dBm 2.31 GHz1001 pts9.5 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>2.404003 GHz</td><td>6.64 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-45.60 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-63.66 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-64.87 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399965 GHz</td><td>-45.76 dBm</td><td></td><td></td></tr></table> Date: 24.FEB.2022 20:58:50			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.404003 GHz	6.64 dBm			M2	1		2.4 GHz	-45.60 dBm			M3	1		2.39 GHz	-63.66 dBm			M4	1		2.31 GHz	-64.87 dBm			M5	1		2.399965 GHz	-45.76 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.404003 GHz	6.64 dBm																																									
M2	1		2.4 GHz	-45.60 dBm																																									
M3	1		2.39 GHz	-63.66 dBm																																									
M4	1		2.31 GHz	-64.87 dBm																																									
M5	1		2.399965 GHz	-45.76 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] 6.96 dBm 2.4798350 GHz M2[1] -59.34 dBm 2.4835000 GHz -13.040 dBm M1 -13.040 dBm 2.478 GHz1001 pts2.2 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>2.479835 GHz</td><td>6.96 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-59.34 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-64.58 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.484006 GHz</td><td>-58.88 dBm</td><td></td><td></td></tr></table> Date: 24.FEB.2022 20:55:12			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.479835 GHz	6.96 dBm			M2	1		2.4835 GHz	-59.34 dBm			M3	1		2.5 GHz	-64.58 dBm			M4	1		2.484006 GHz	-58.88 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
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M2	1		2.4835 GHz	-59.34 dBm																																									
M3	1		2.5 GHz	-64.58 dBm																																									
M4	1		2.484006 GHz	-58.88 dBm																																									

CH78
Hoppig mode

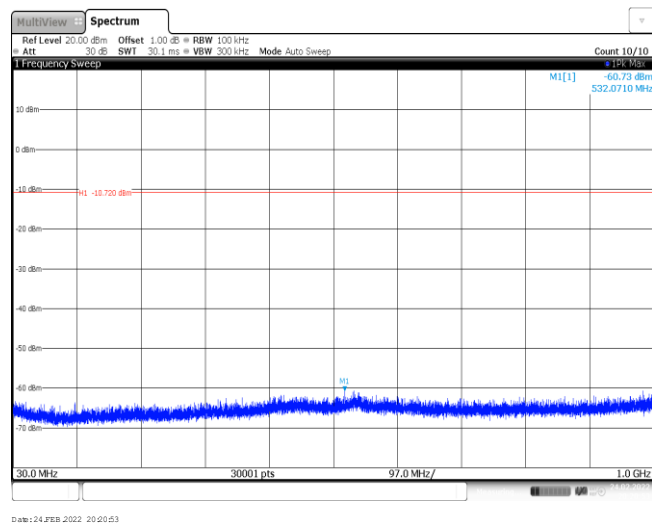


Test Item:	Spurious Emission	Modulation type:	GFSK
CH00 Reference level			
CH00 30MHz~1000MHz			
CH00 1GHz~26GHz			

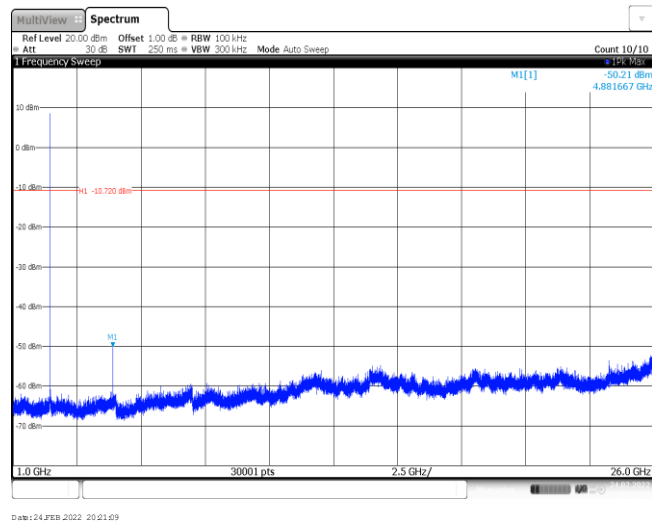
CH39
Reference level



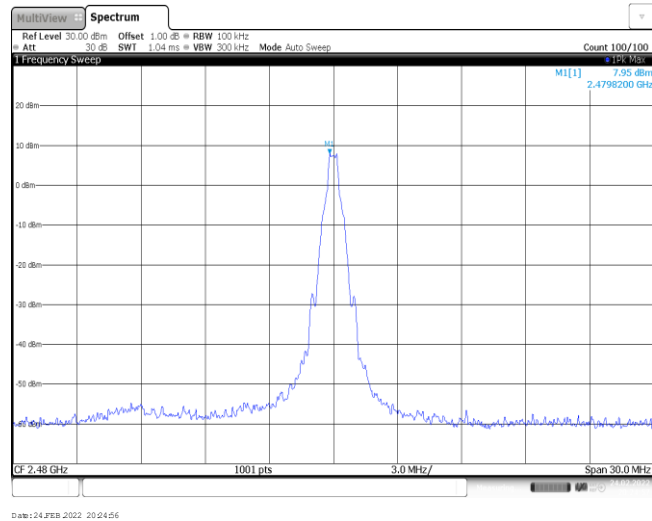
CH39
30MHz~1000MHz



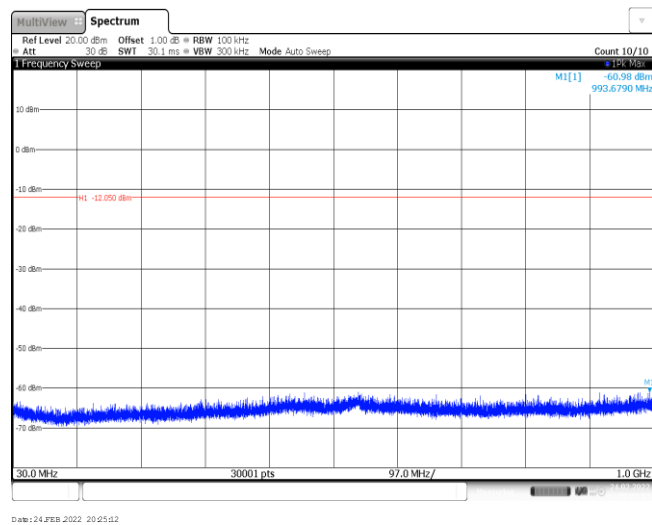
CH39
1GHz~26GHz



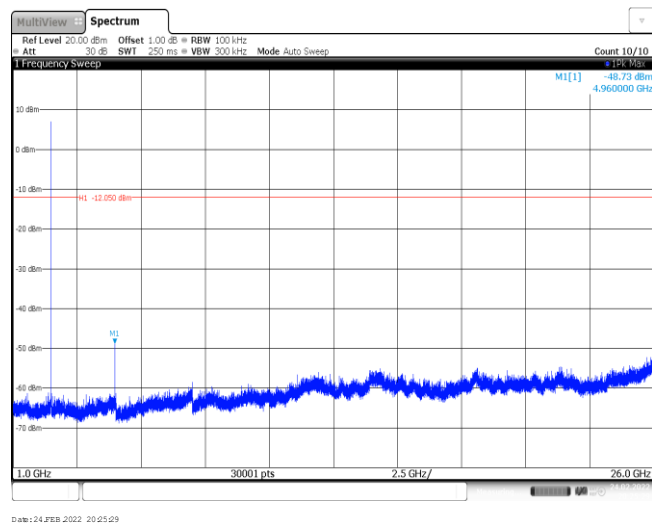
CH78
Reference level

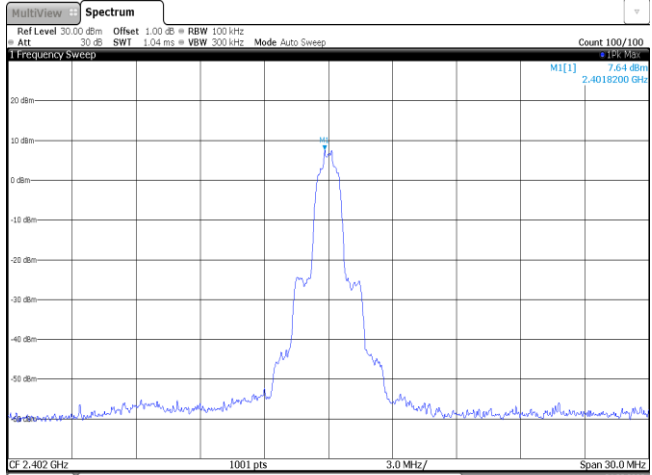
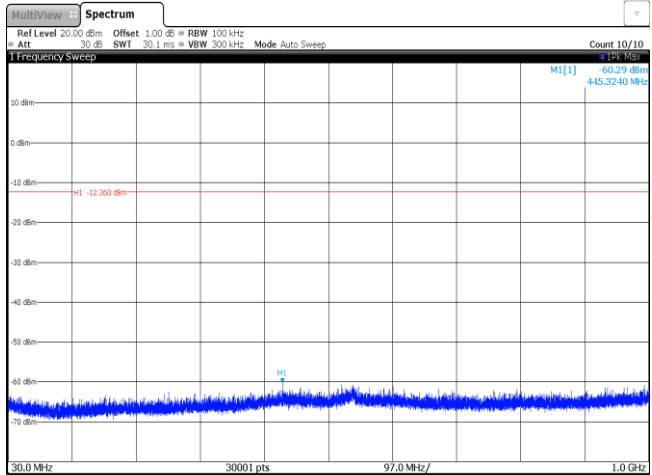
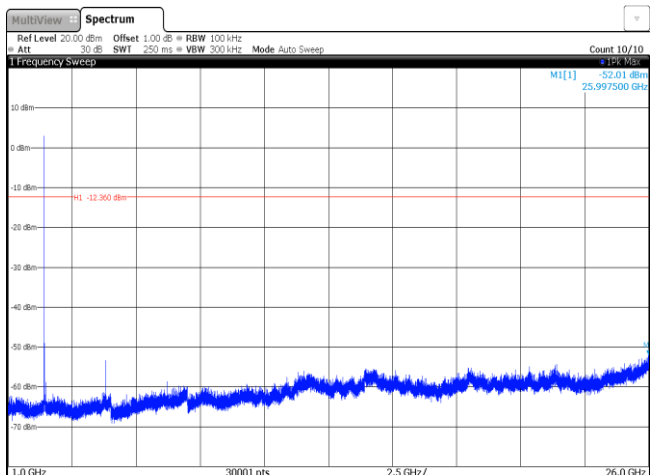


CH78
30MHz~1000MHz

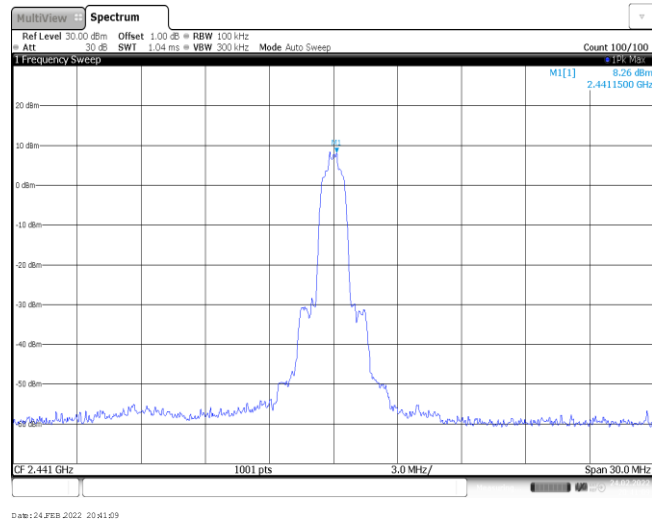


CH78
1GHz~26GHz

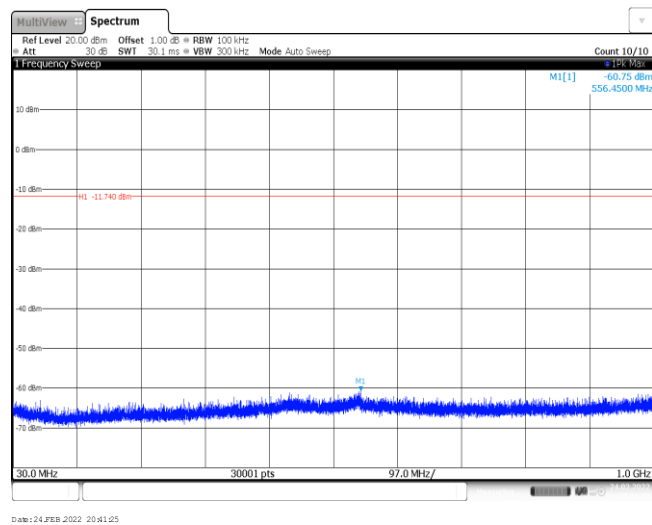


Test Item:	Spurious Emission	Modulation type:	$\pi/4$ DQPSK
CH00 Reference level	 Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SW1 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 M1[1] -7.64 dBm 2.4016200 GHz CF 2.402 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 24.FEB.2022 20:17:36		
CH00 30MHz~1000MHz	 Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SW1 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -60.29 dBm 445.3240 MHz M1 -12.360 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 24.FEB.2022 20:17:52		
CH00 1GHz~26GHz	 Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SW1 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -52.01 dBm 25.997500 GHz M1 -12.360 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 24.FEB.2022 20:18:08		

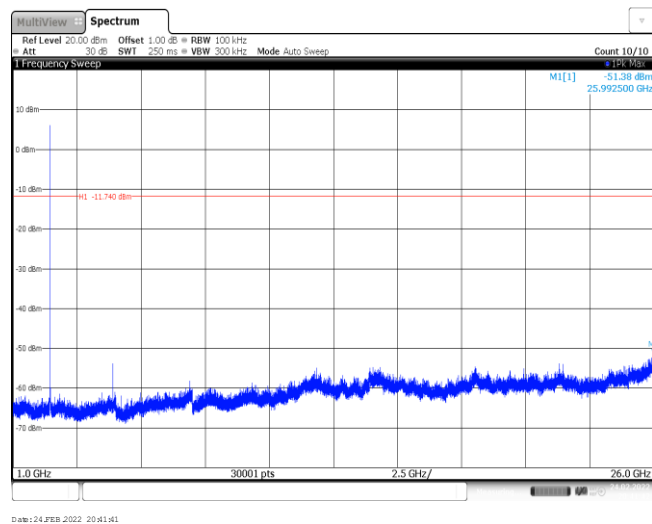
CH39
Reference level



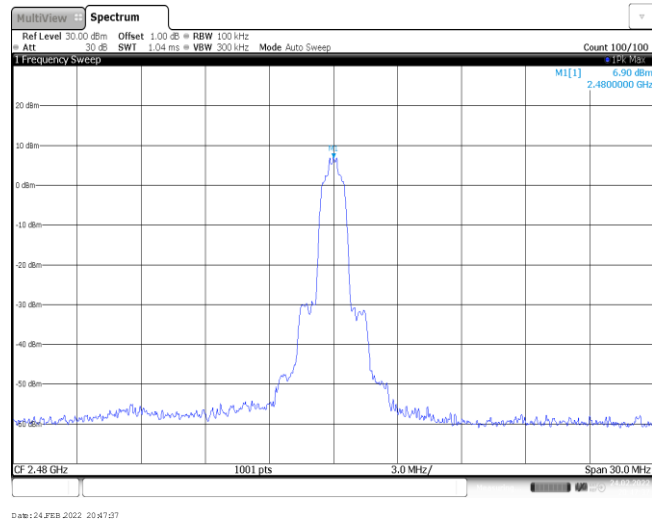
CH39
30MHz~1000MHz



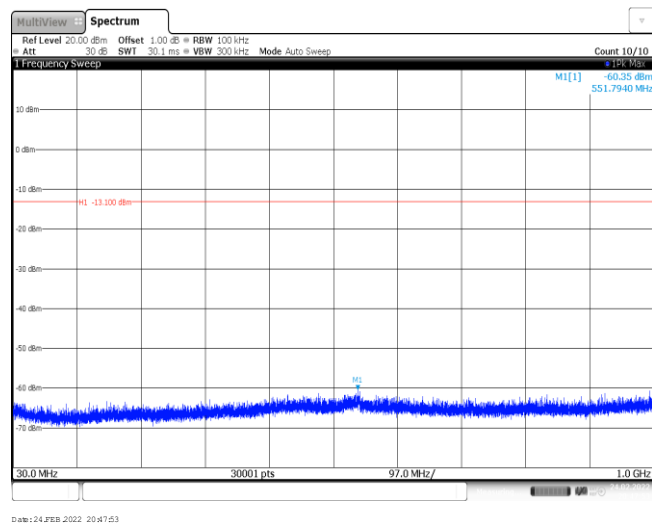
CH39
1GHz~26GHz



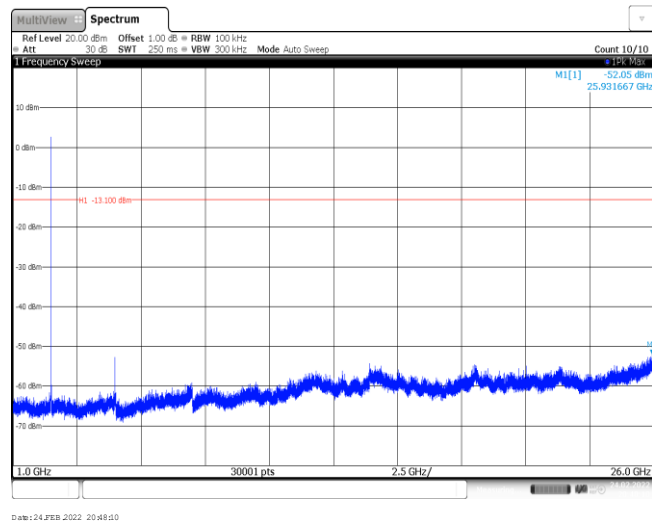
CH78
Reference level

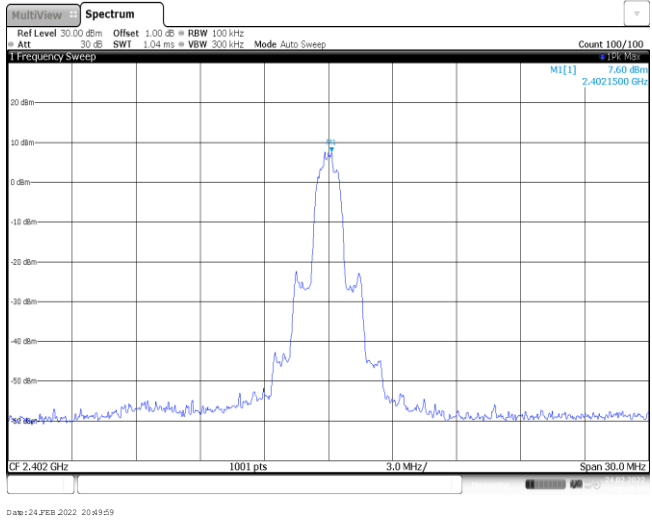
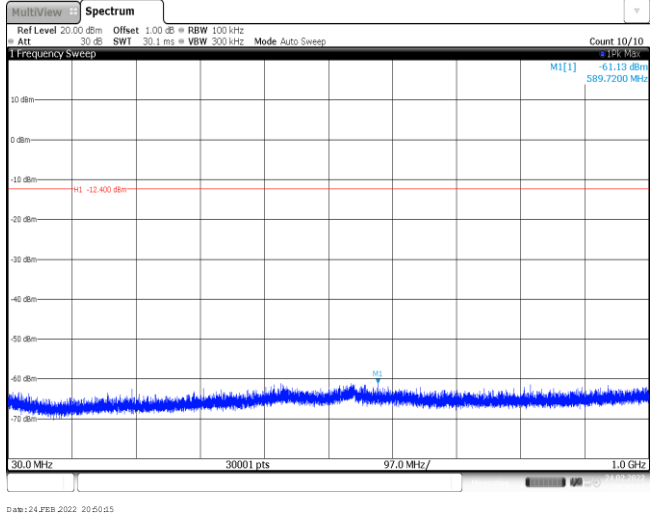
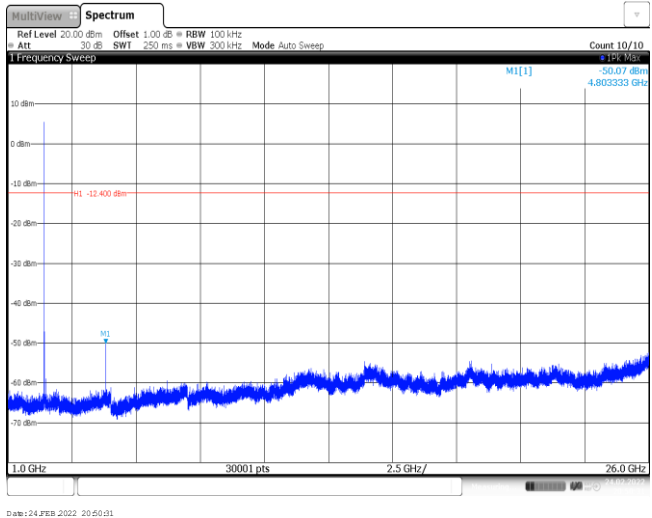


CH78
30MHz~1000MHz

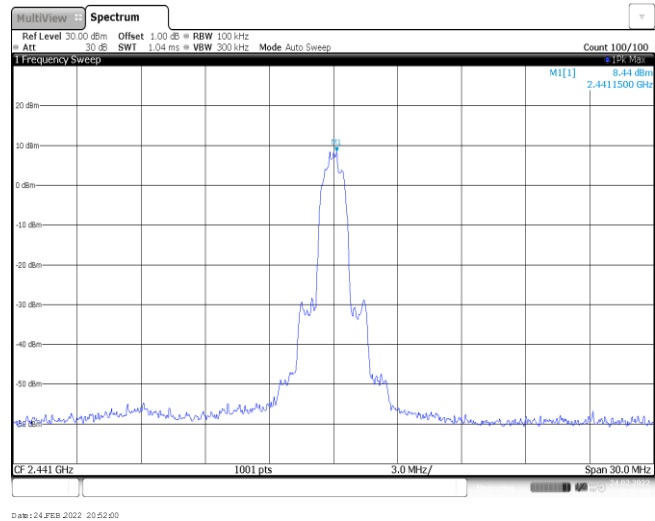


CH78
1GHz~26GHz

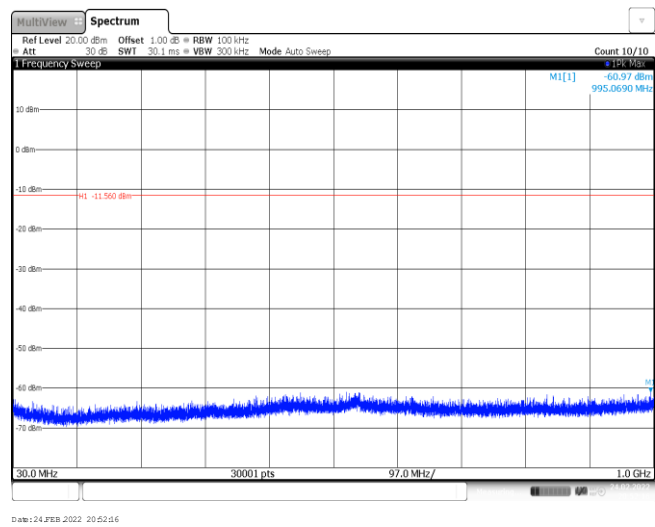


Test Item:	Spurious Emission	Modulation type:	8DPSK
CH00 Reference level			
CH00 30MHz~1000MHz			
CH00 1GHz~26GHz			

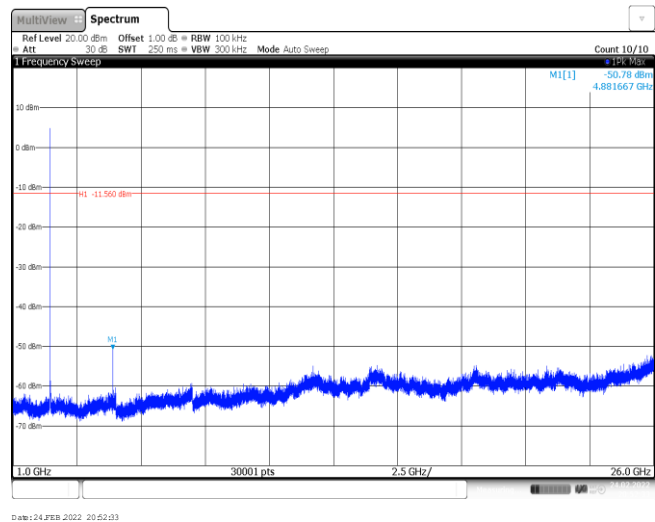
CH39
Reference level



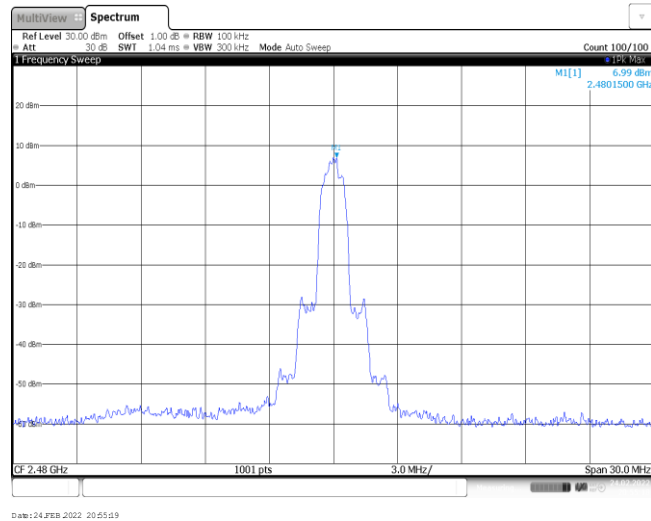
CH39
30MHz~1000MHz



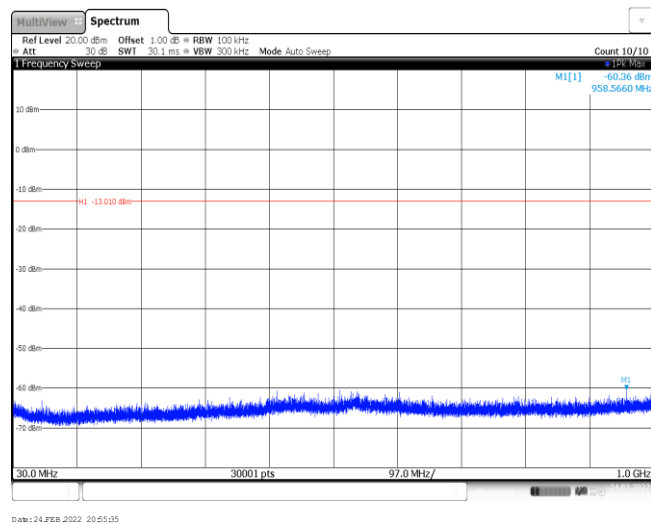
CH39
1GHz~26GHz



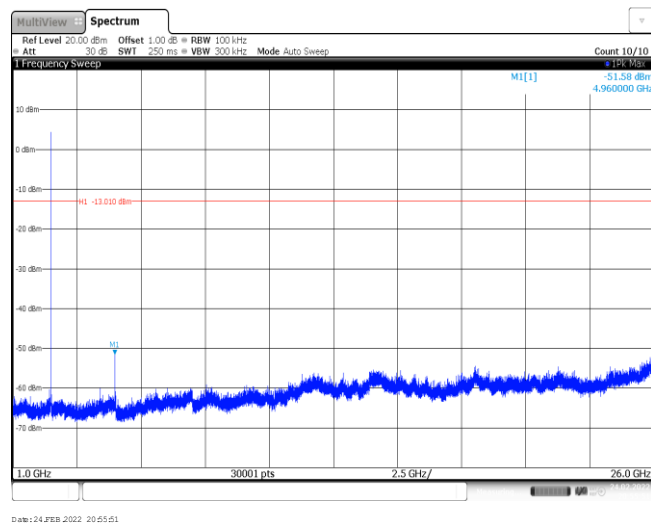
CH78
Reference level



CH78
30MHz~1000MHz



CH78
1GHz~26GHz



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