

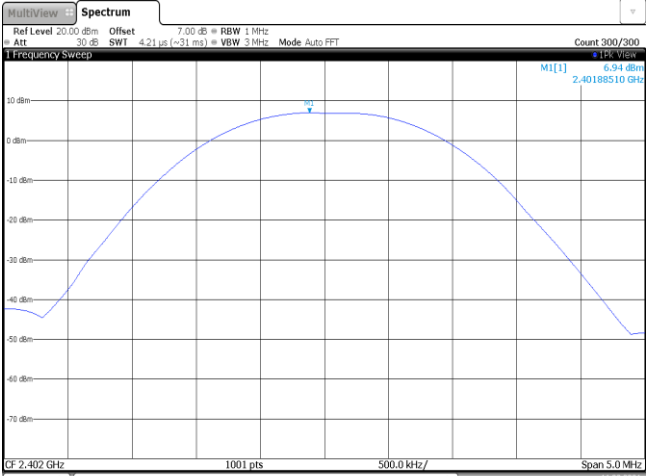
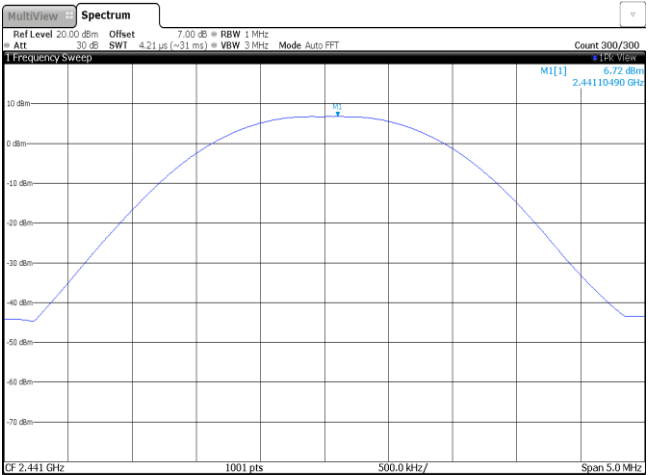
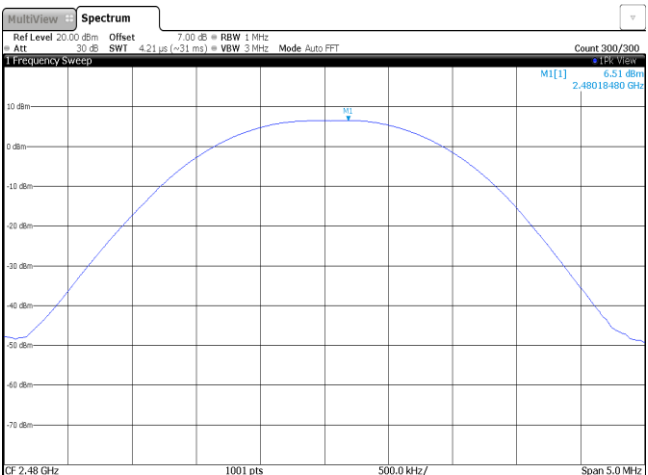
APPENDIX REPORT

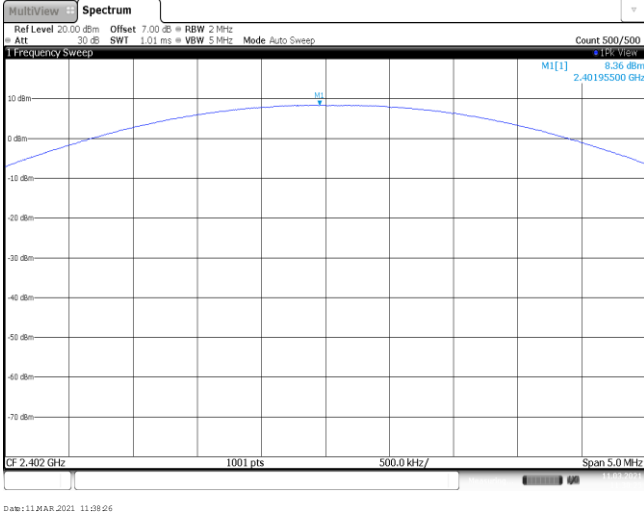
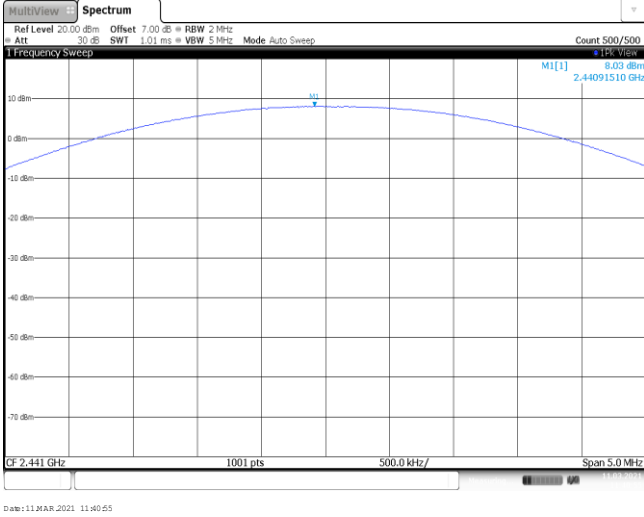
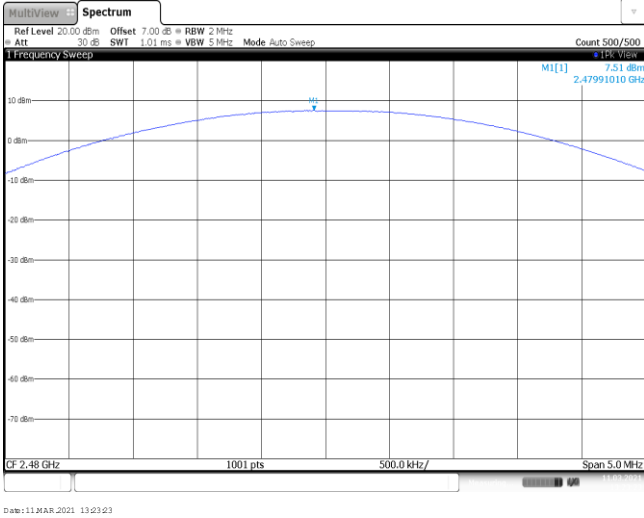
Project No.	SHT2103019501EW	Radio Specification	Bluetooth EDR
Test sample No.	YPHT21030195003	Model No.	Q3
Start test date	2021-03-11	Finish date	2021-03-11
Temperature	23.8°C	Humidity	67%
Test Engineer	Hailey Chen	Auditor	Xiaodong Zhuo

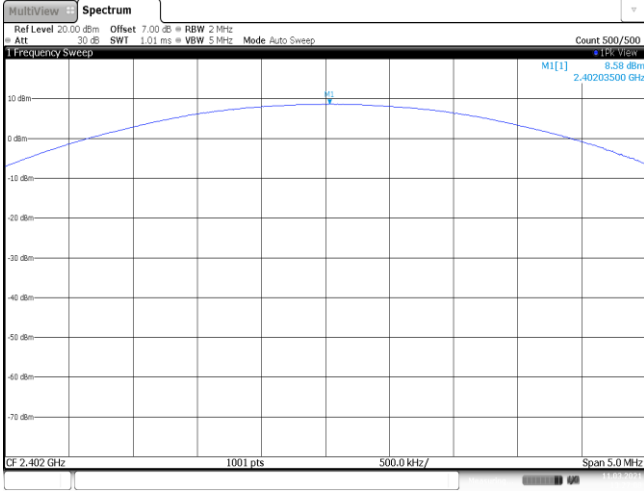
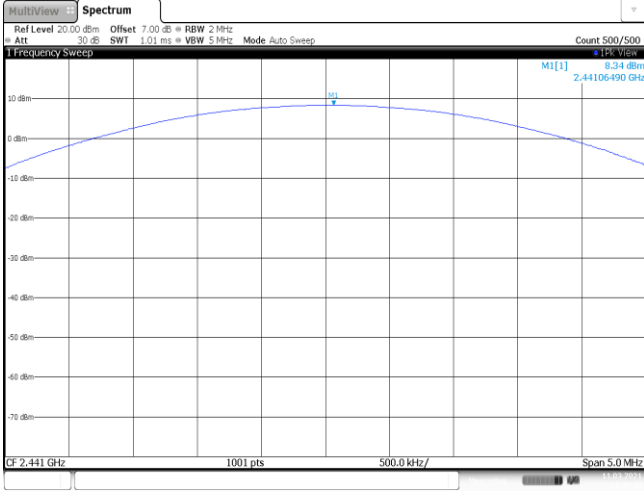
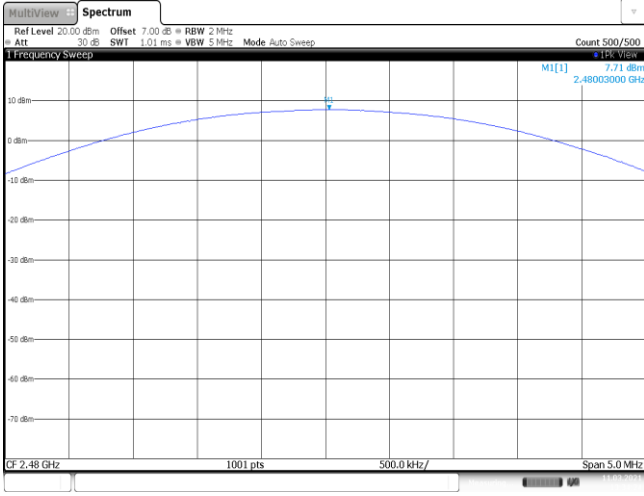
Appendix clause	Test item	Result
A	Peak Output Power	PASS
B	20 dB Bandwidth	PASS
C	99% Occupied Bandwidth	PASS
D	Carrier Frequencies Separation	PASS
E	Hopping Channel Number	PASS
F	Dwell Time	PASS
G	Duty Cycle Correction Factor (DCCF)	PASS
H	Band edge and Spurious Emissions(coducted)	PASS

Appendix A: Peak Output Power

Modulation type	Channel	Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
GFSK	00	6.94	6.92	≤ 30.00	Pass
	39	6.72	6.71		
	78	6.51	6.49		
$\pi/4$ DQPSK	00	8.36	7.78	≤ 21.00	Pass
	39	8.03	7.41		
	78	7.51	6.85		
8DPSK	00	8.58	8.02	≤ 21.00	Pass
	39	8.34	7.74		
	78	7.71	7.01		

Modulation Type:	GFSK
CH00	 <p>Ref Level 20.00 dBm Offset 7.00 dB RBW 1 MHz Att 30 dB SWI 4.21 us (~31 ms) VBW 3 MHz Mode Auto FFT Count 300/300 M1[1] 6.94 dBm 2.40188510 GHz CF 2.402 GHz 1001 pts 500.0 kHz/ Span 5.0 MHz Date: 11.MAR.2021 11:08:26</p>
CH39	 <p>Ref Level 20.00 dBm Offset 7.00 dB RBW 1 MHz Att 30 dB SWI 4.21 us (~31 ms) VBW 3 MHz Mode Auto FFT Count 300/300 M1[1] 6.72 dBm 2.44110490 GHz CF 2.441 GHz 1001 pts 500.0 kHz/ Span 5.0 MHz Date: 11.MAR.2021 11:07:01</p>
CH78	 <p>Ref Level 20.00 dBm Offset 7.00 dB RBW 1 MHz Att 30 dB SWI 4.21 us (~31 ms) VBW 3 MHz Mode Auto FFT Count 300/300 M1[1] 6.51 dBm 2.48018480 GHz CF 2.48 GHz 1001 pts 500.0 kHz/ Span 5.0 MHz Date: 11.MAR.2021 11:01:26</p>

Modulation Type:	$\pi/4$ DQPSK
CH00	
CH39	
CH78	

Modulation Type:	8DPSK
CH00	 <p>The spectrum plot for CH00 shows a single peak at 2.402500 GHz. The peak level is 8.58 dBm. The plot is titled 'Spectrum' and includes parameters: Ref Level 20.00 dBm, Offset 7.00 dB, RBW 2 MHz, Att 30 dB, SWI 1.01 ms, VBW 5 MHz, Mode Auto Sweep. The x-axis is frequency in GHz, ranging from 2.400 to 2.405. The y-axis is power in dBm, ranging from -70 to 10. The plot shows a Gaussian-like curve centered at 2.402500 GHz.</p>
CH39	 <p>The spectrum plot for CH39 shows a single peak at 2.441064990 GHz. The peak level is 8.34 dBm. The plot is titled 'Spectrum' and includes parameters: Ref Level 20.00 dBm, Offset 7.00 dB, RBW 2 MHz, Att 30 dB, SWI 1.01 ms, VBW 5 MHz, Mode Auto Sweep. The x-axis is frequency in GHz, ranging from 2.439 to 2.443. The y-axis is power in dBm, ranging from -70 to 10. The plot shows a Gaussian-like curve centered at 2.441064990 GHz.</p>
CH78	 <p>The spectrum plot for CH78 shows a single peak at 2.48003000 GHz. The peak level is 7.71 dBm. The plot is titled 'Spectrum' and includes parameters: Ref Level 20.00 dBm, Offset 7.00 dB, RBW 2 MHz, Att 30 dB, SWI 1.01 ms, VBW 5 MHz, Mode Auto Sweep. The x-axis is frequency in GHz, ranging from 2.478 to 2.482. The y-axis is power in dBm, ranging from -70 to 10. The plot shows a Gaussian-like curve centered at 2.48003000 GHz.</p>

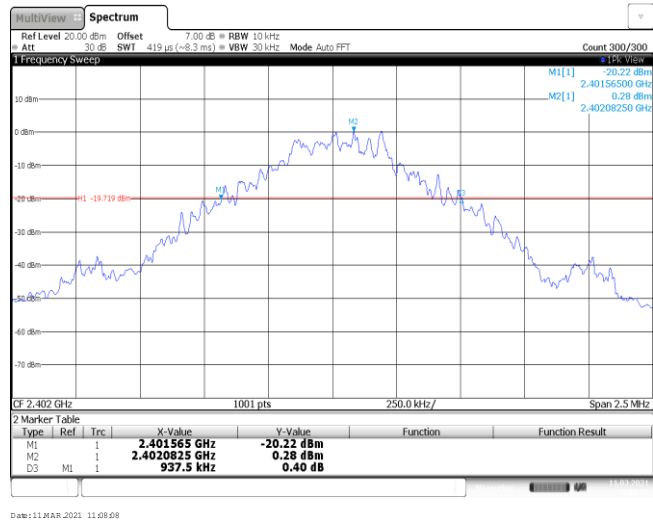
Appendix B : 20 dB Bandwidth

Modulation type	Channel	20 dB Bandwidth (kHz)	Limit (kHz)	Result
GFSK	00	937.50	-	Pass
	39	940.00		
	78	937.50		
$\pi/4$ DQPSK	00	1315.00	-	Pass
	39	1317.50		
	78	1312.50		
8DPSK	00	1307.50	-	Pass
	39	1307.50		
	78	1302.50		

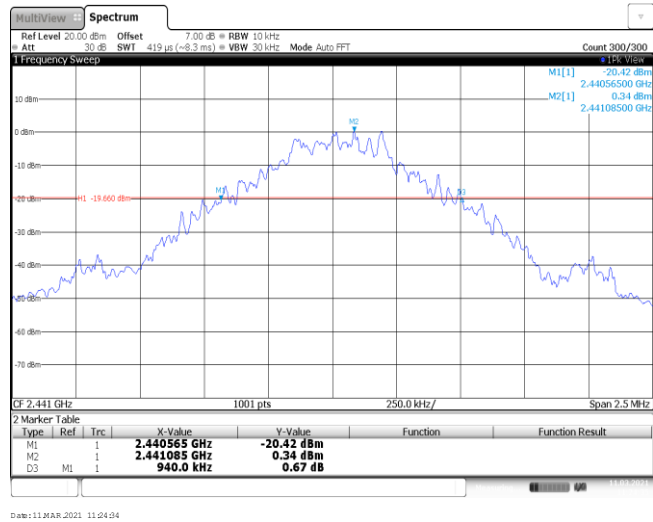
Modulation Type:

GFSK

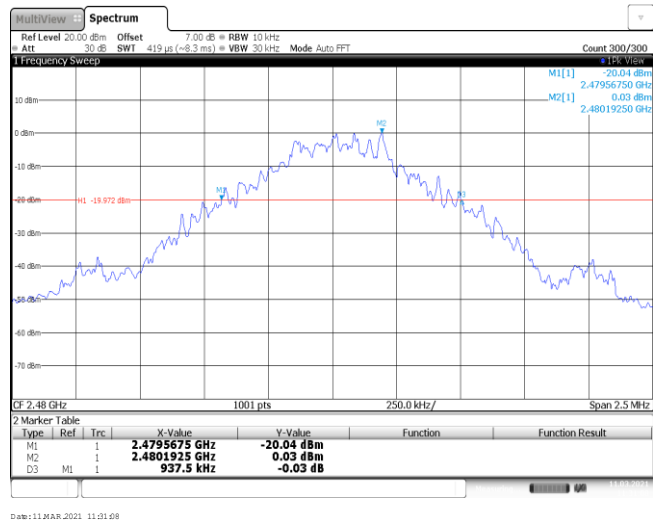
CH00



CH39



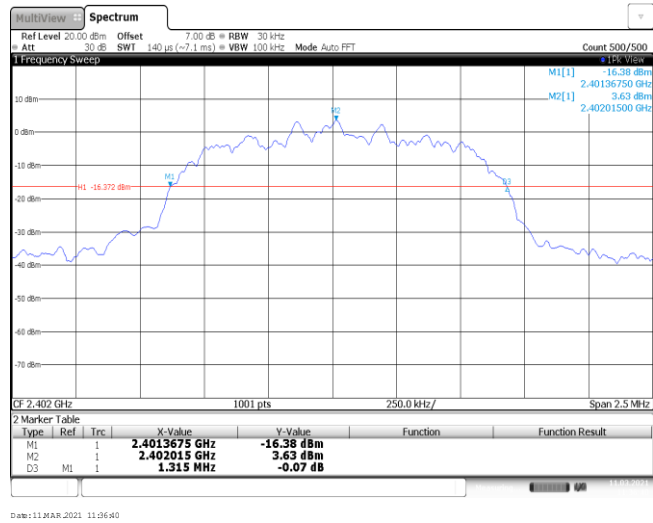
CH78



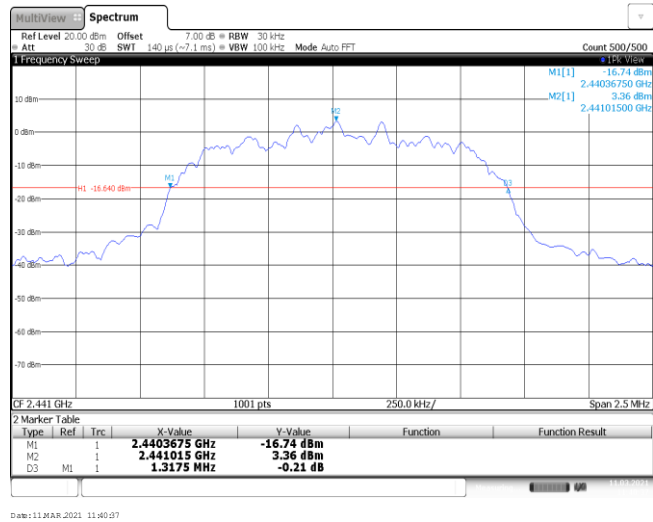
Modulation Type:

 $\pi/4$ DQPSK

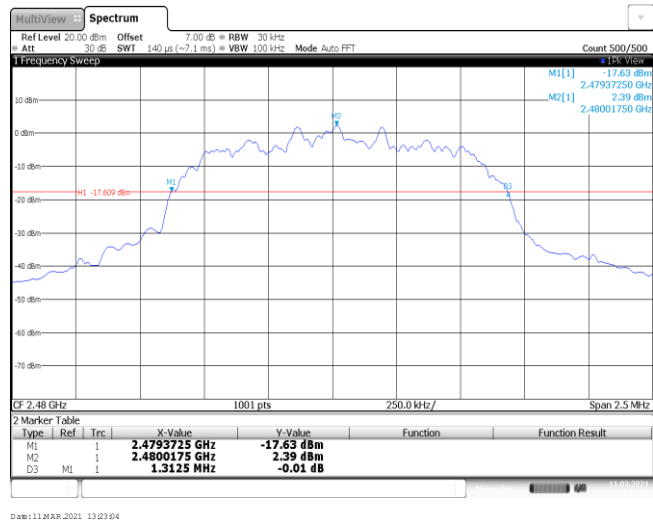
CH00

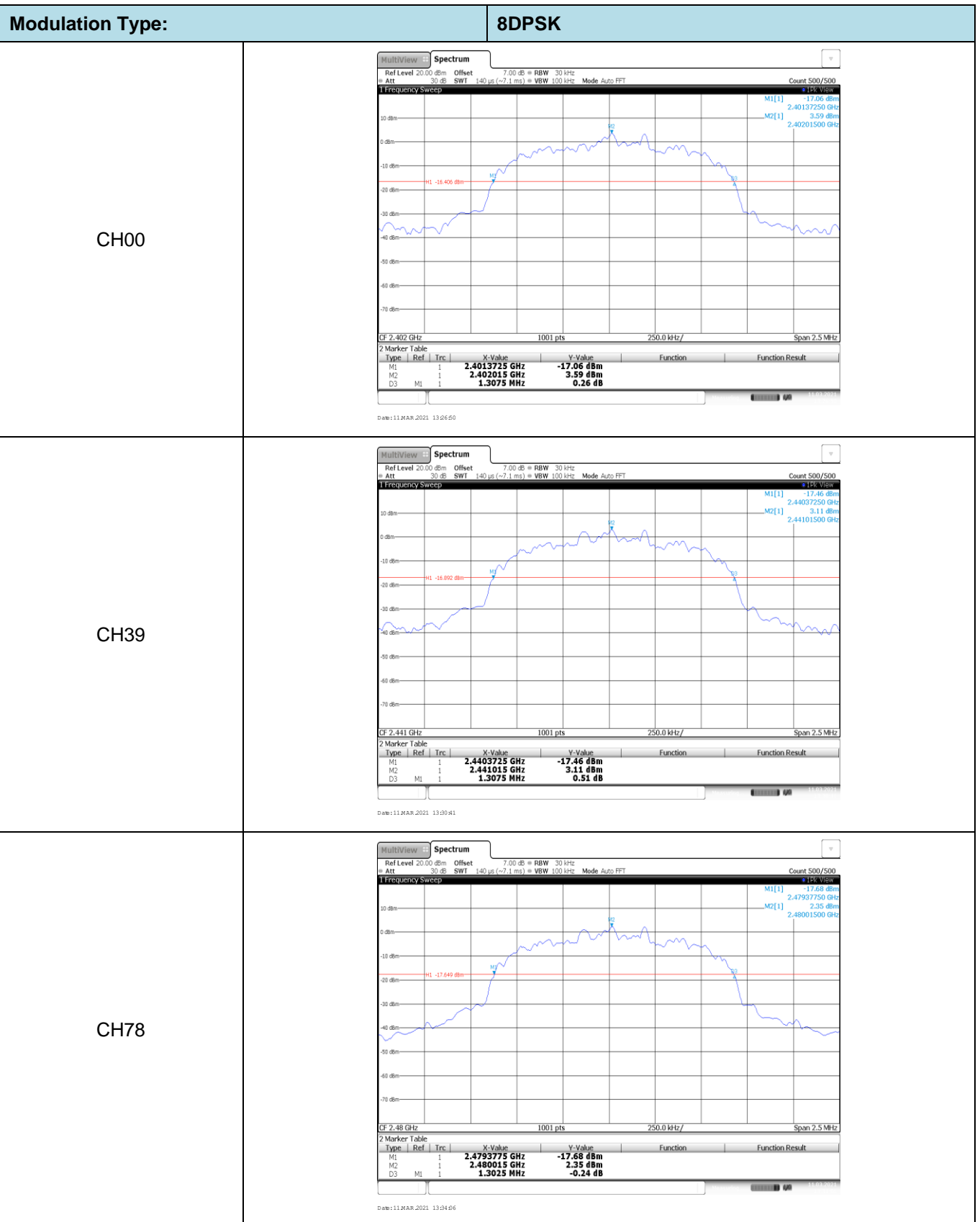


CH39



CH78

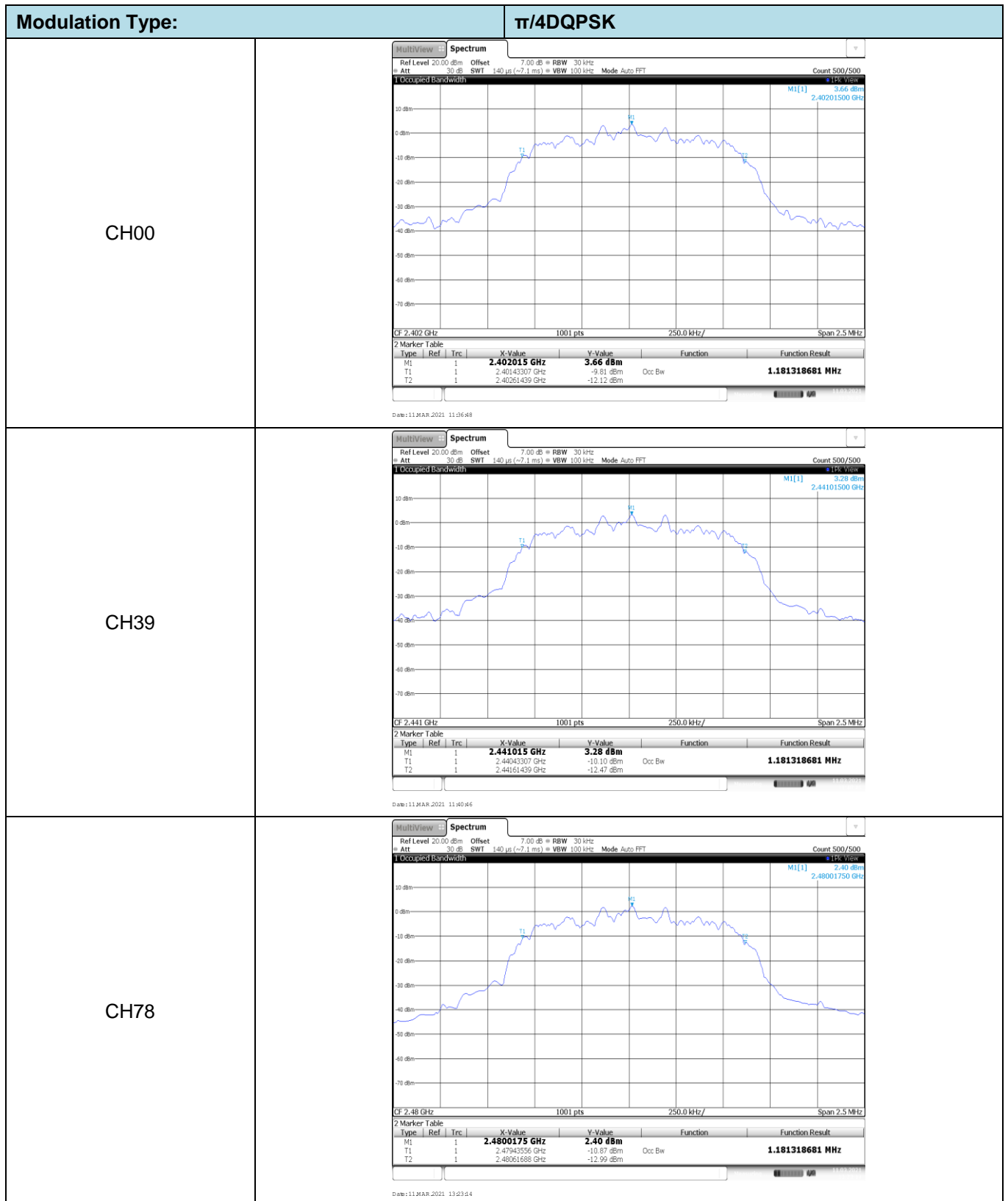




Appendix C: 99% Occupied Bandwidth

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

Appendix report page: 11 of 41



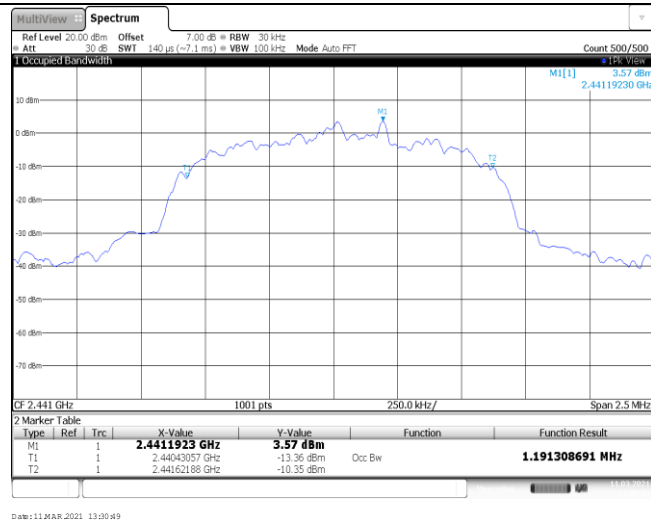
Modulation Type:

8DPSK

CH00



CH39



CH78



Appendix D: Carrier Frequencies Separation

Modulation type	Channel	Carrier Frequencies Separation (MHz)	Limit (kHz) *	Result
GFSK	39	1.00	≥ 940.00	Pass
$\pi/4$ DQPSK	39	1.00	≥ 878.33	Pass
8DPSK	39	1.00	≥ 871.67	Pass

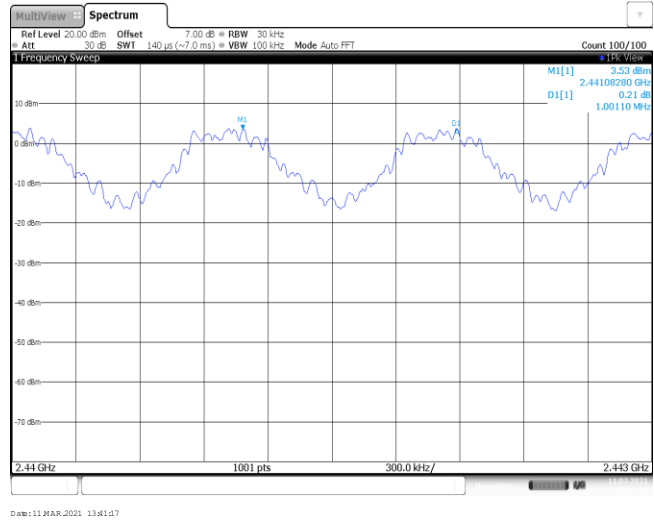
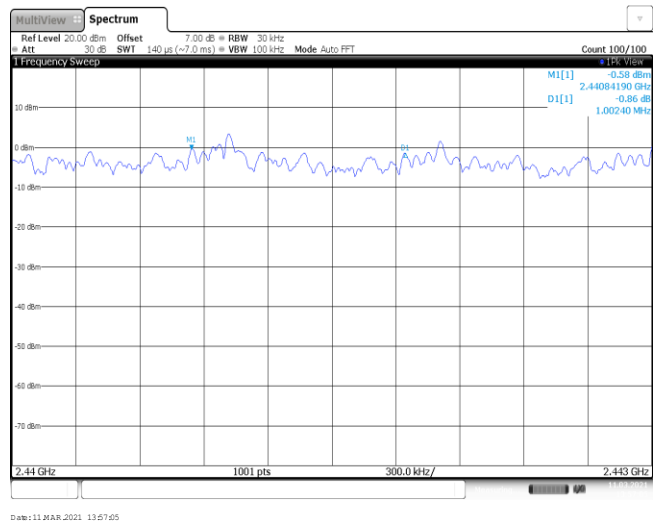
Note:

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

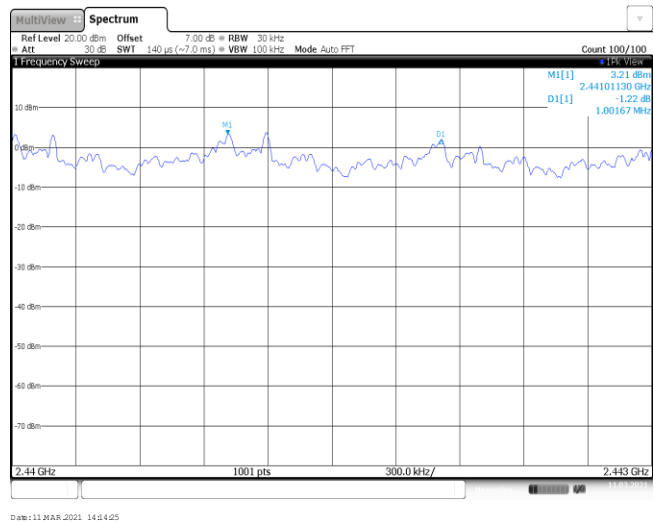
$\pi/4$ DQPSK limit = $2/3$ * The maximum 20 dB Bandwidth for $\pi/4$ DQPSK modulation on the appendix B.

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

GFSK

 $\pi/4$ DQPSK

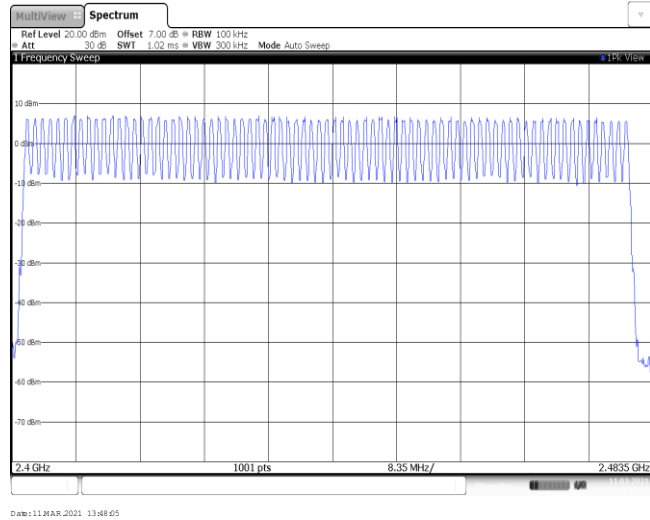
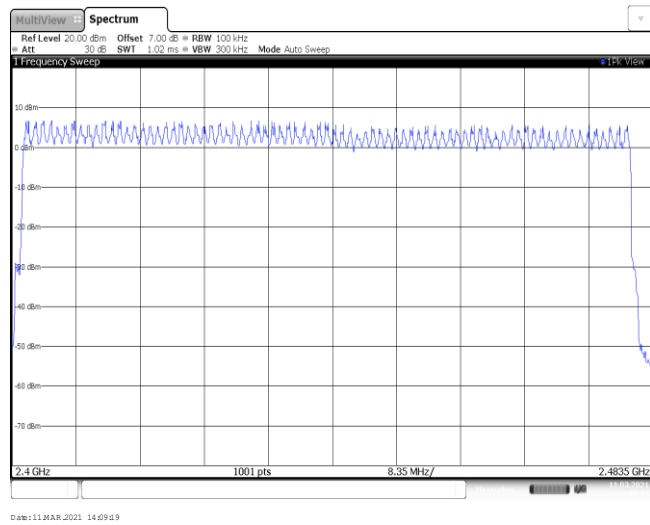
8DPSK



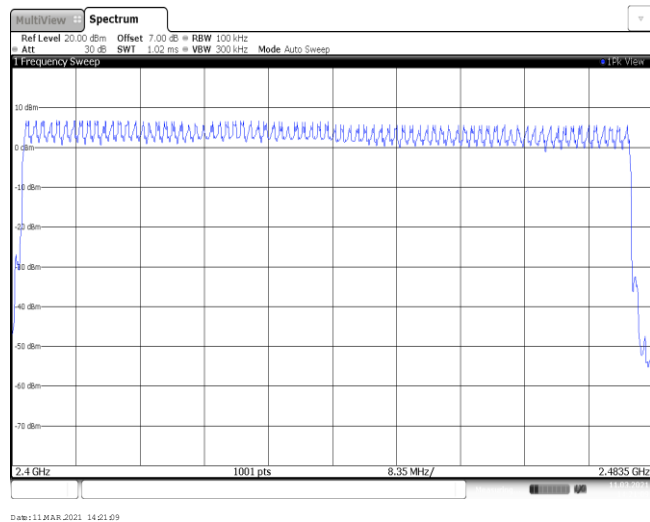
Appendix E: Hopping Channel Number

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

GFSK

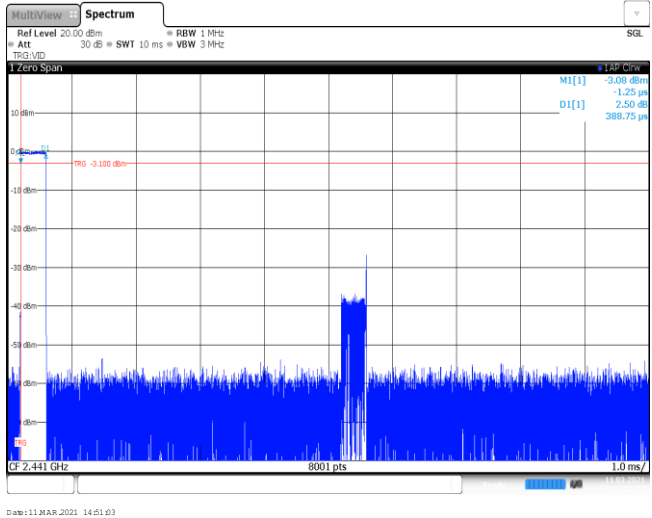
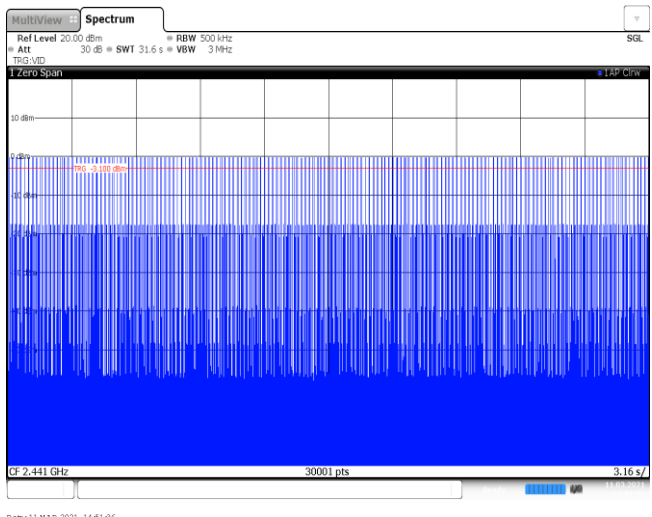
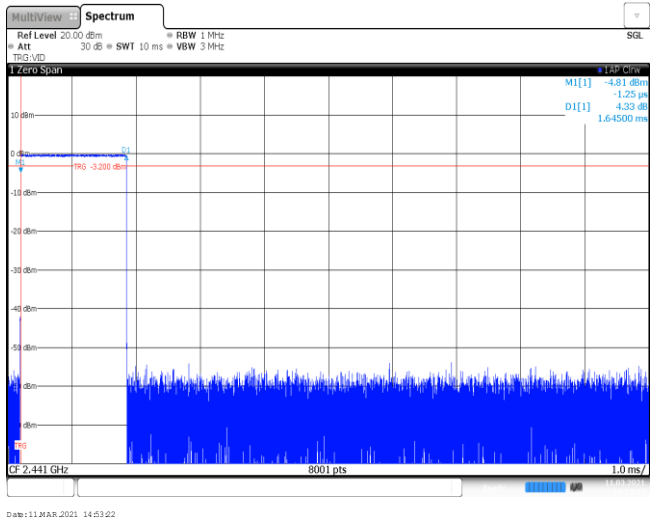
 $\pi/4$ DQPSK

8DPSK

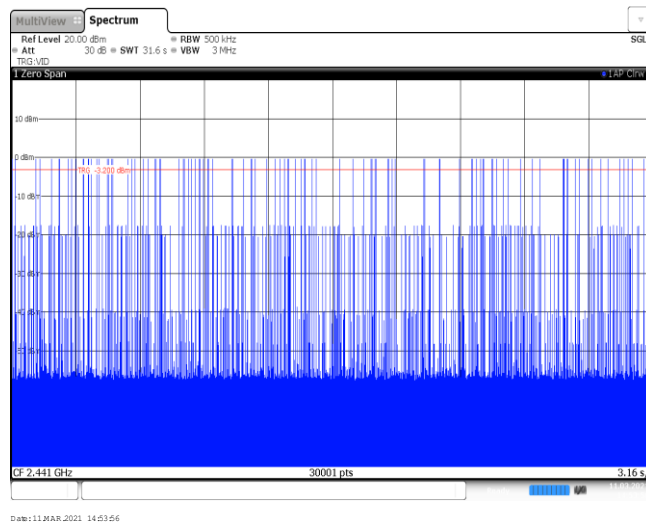


Appendix F: Dwell Time

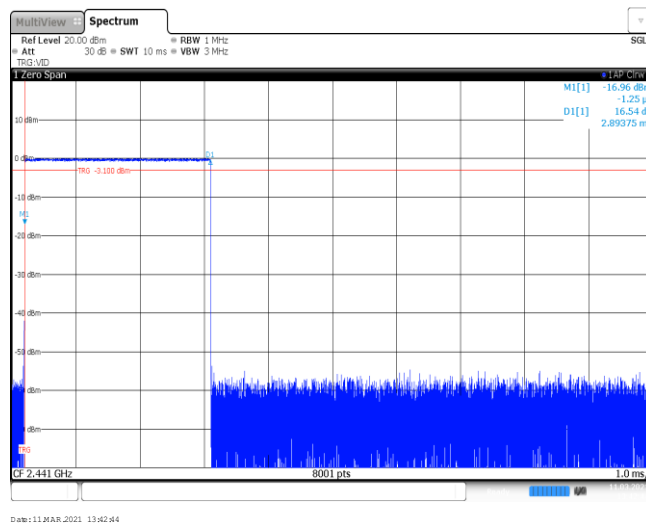
Modulation type	Packet	Burst Width [ms]	Total Hops[hop*ch]	Dwell time (Second)	Limit (Second)	Result
GFSK	DH1	0.39	320	0.12	≤ 0.40	Pass
	DH3	1.65	103	0.17		
	DH5	2.89	65	0.19		
$\pi/4$ DQPSK	2DH1	0.38	319	0.12	≤ 0.40	Pass
	2DH3	1.63	96	0.16		
	2DH5	2.88	74	0.21		
8DPSK	3DH1	0.38	321	0.12	≤ 0.40	Pass
	3DH3	1.63	105	0.17		
	3DH5	2.88	71	0.21		

Modulation Type:	GFSK
DH1 Burst width	 <p>The spectrum plot shows a single burst of signal 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 2.440 to 2.442. A red trace line is visible at -3.100 dBm. The plot shows a sharp peak at the center frequency, with a bandwidth of approximately 1 MHz. The signal is identified as a GFSK burst.</p> <p>Ref Level 20.00 dBm Att 30 dB RBW 1 MHz SWT 10 ms VBW 3 MHz</p> <p>CF 2.441 GHz 8001 pts 1.0 ms/</p> <p>Date: 11.MAR.2021 14:51:03</p>
DH1 Burst number	 <p>The spectrum plot shows a continuous burst of signal 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 2.440 to 2.442. A red trace line is visible at -3.100 dBm. The plot shows a dense, continuous signal across the entire frequency range, indicating a high data rate or a long burst.</p> <p>Ref Level 20.00 dBm Att 30 dB RBW 500 kHz SWT 31.6 s VBW 3 MHz</p> <p>CF 2.441 GHz 30001 pts 3.16 s/</p> <p>Date: 11.MAR.2021 14:51:06</p>
DH3 Burst width	 <p>The spectrum plot shows a single burst of signal 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 2.440 to 2.442. A red trace line is visible at -3.200 dBm. The plot shows a sharp peak at the center frequency, with a bandwidth of approximately 1 MHz. The signal is identified as a GFSK burst.</p> <p>Ref Level 20.00 dBm Att 30 dB RBW 1 MHz SWT 10 ms VBW 3 MHz</p> <p>CF 2.441 GHz 8001 pts 1.0 ms/</p> <p>Date: 11.MAR.2021 14:53:22</p>

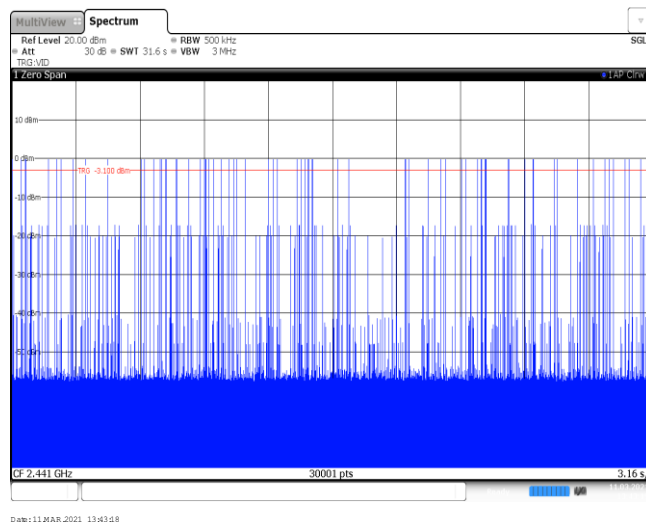
DH3
Burst number

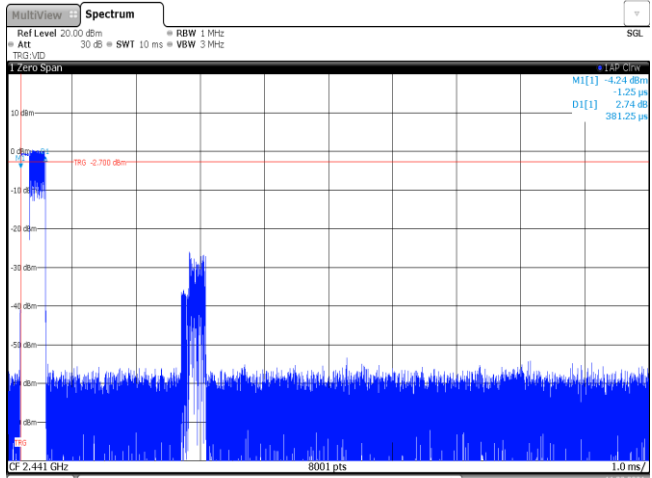
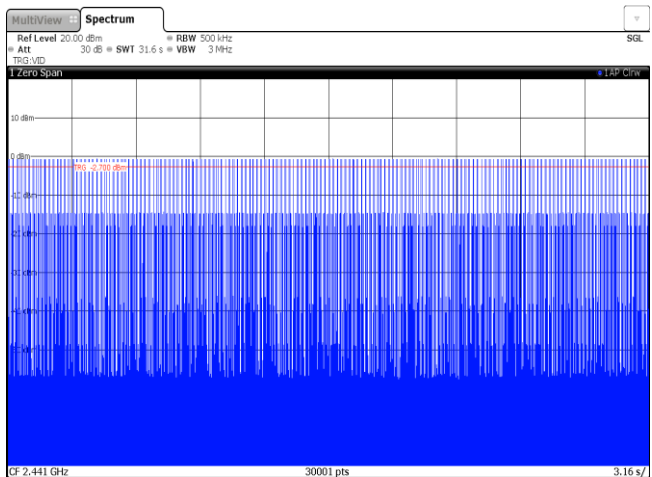
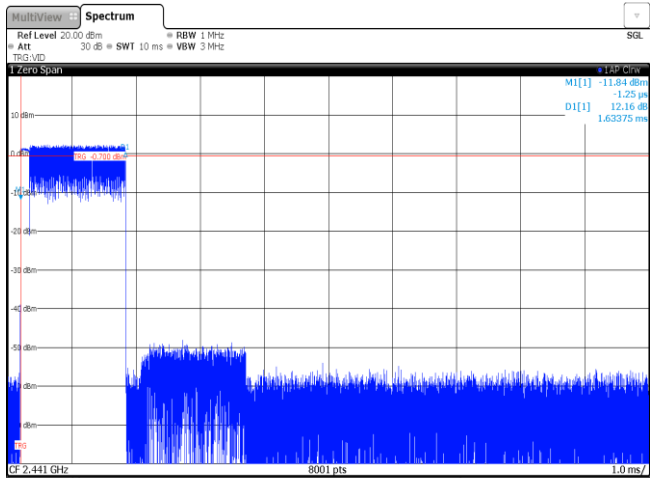


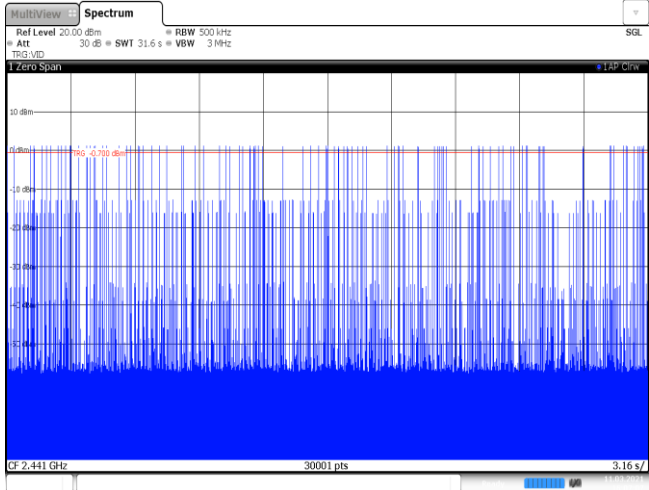
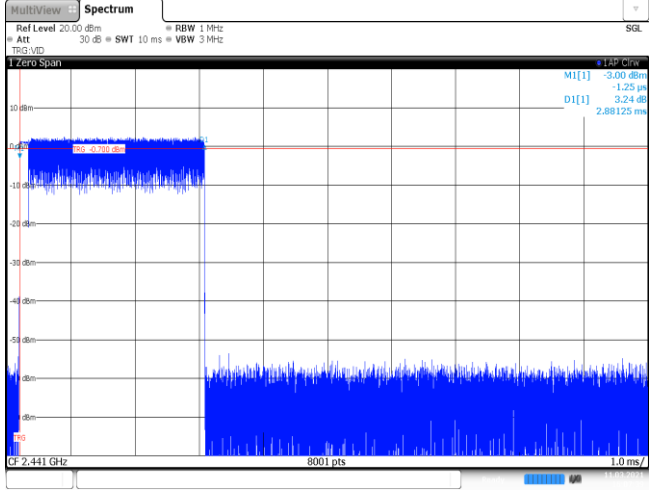
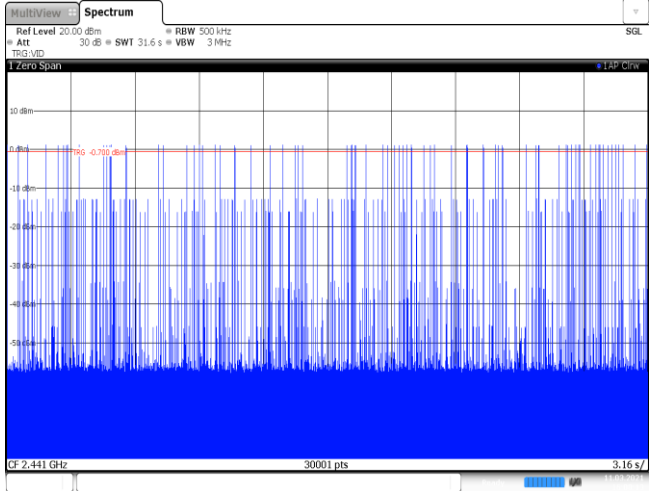
DH5
Burst width

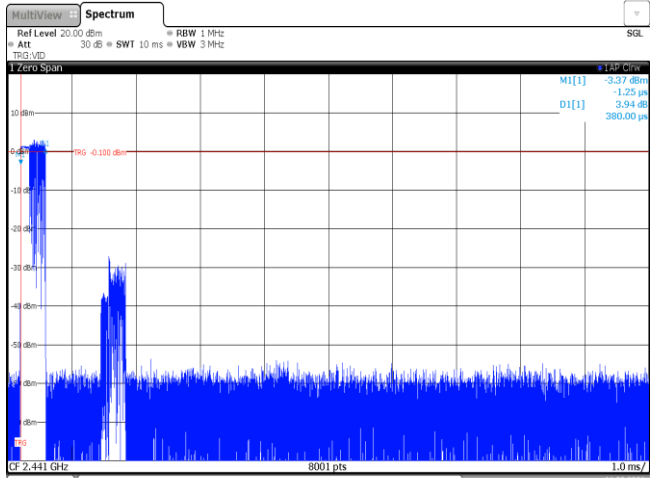
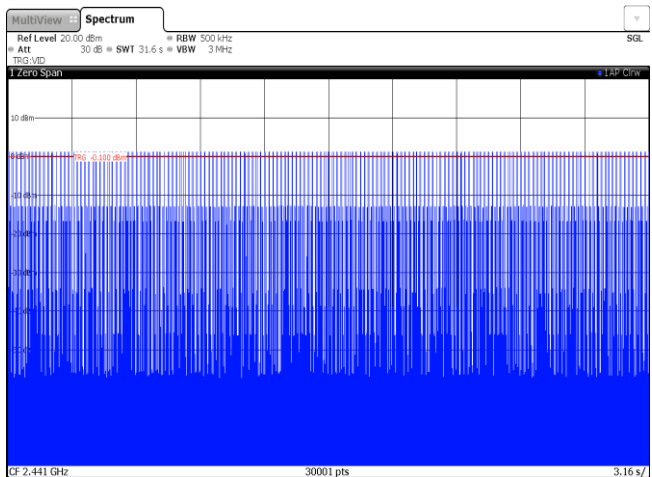
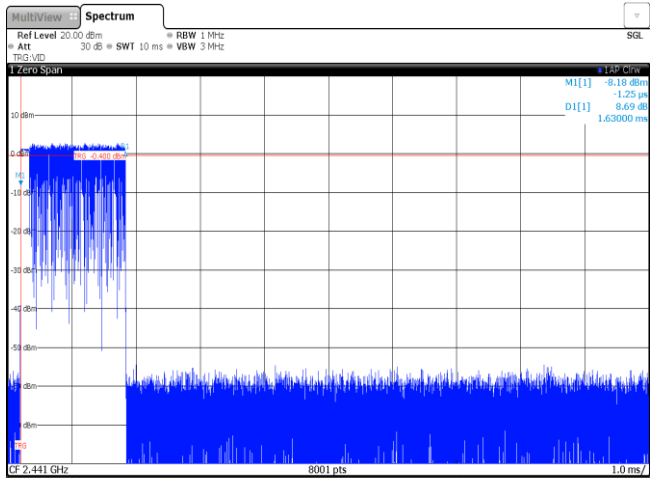


DH5
Burst number

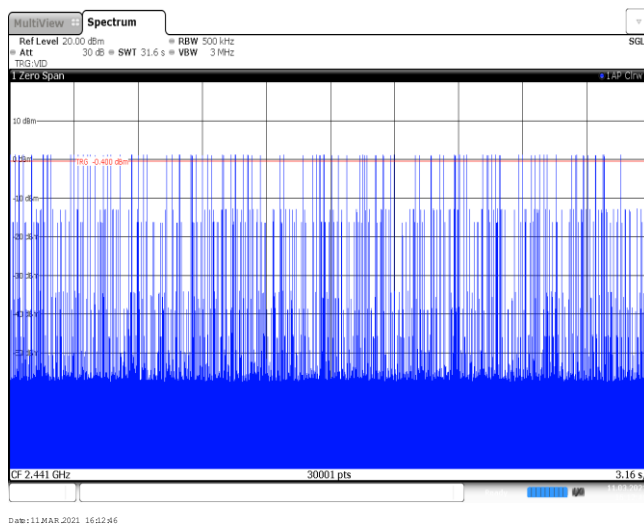


Modulation Type:	$\pi/4$ DQPSK
2DH1 Burst width	 <p>The spectrum plot shows a signal burst at 2.441 GHz. The y-axis represents power in dBm, ranging from -60 to 10. The x-axis represents time in ms, ranging from 0 to 1.0. A red horizontal line indicates a reference level at -2.700 dBm. The signal burst is visible as a blue trace. The plot includes parameters: Ref Level 20.00 dBm, Att 30 dB, RBW 1 MHz, SWT 10 ms, VBW 3 MHz. The date is 11.MAR.2021 14:55:20.</p>
2DH1 Burst number	 <p>The spectrum plot shows a signal burst at 2.441 GHz. 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. A red horizontal line indicates a reference level at -2.700 dBm. The signal burst is visible as a blue trace. The plot includes parameters: Ref Level 20.00 dBm, Att 30 dB, RBW 500 kHz, SWT 31.6 s, VBW 3 MHz. The date is 11.MAR.2021 14:55:34.</p>
2DH3 Burst width	 <p>The spectrum plot shows a signal burst at 2.441 GHz. 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. A red horizontal line indicates a reference level at -2.700 dBm. The signal burst is visible as a blue trace. The plot includes parameters: Ref Level 20.00 dBm, Att 30 dB, RBW 1 MHz, SWT 10 ms, VBW 3 MHz. The date is 11.MAR.2021 16:06:32.</p>

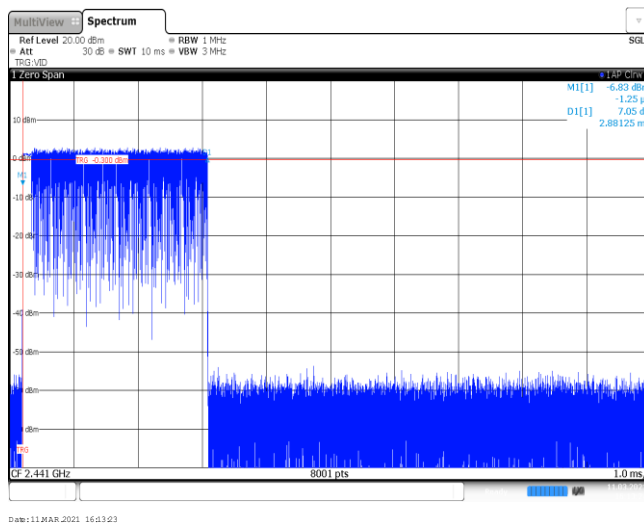
2DH3 Burst number	 <p>Ref Level 20.00 dBm Att 30 dB RBW 500 kHz SWT 31.6 s VBW 3 MHz</p> <p>CF 2.441 GHz 30001 pts 3.16 s</p> <p>Date: 11 MAR 2021 16:07:07</p>
2DH5 Burst width	 <p>Ref Level 20.00 dBm Att 30 dB RBW 1 MHz SWT 10 ms VBW 3 MHz</p> <p>CF 2.441 GHz 8001 pts 1.0 ms</p> <p>Date: 11 MAR 2021 16:07:08</p>
2DH5 Burst number	 <p>Ref Level 20.00 dBm Att 30 dB RBW 500 kHz SWT 31.6 s VBW 3 MHz</p> <p>CF 2.441 GHz 30001 pts 3.16 s</p> <p>Date: 11 MAR 2021 16:08:13</p>

Modulation Type:	8DPSK
3DH1 Burst width	 <p>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 trace shows the signal level, which is approximately -10 dBm. The plot includes a 'Zero Span' view and a 'Spectrum' view. The signal is identified as 3DH1. The plot also shows a 'Ref Level' of 20.00 dBm, 'Att' of 30 dB, 'SWT' of 10 ms, and 'VBW' of 3 MHz. The plot is dated 11.MAR.2021 16:11:08.</p>
3DH1 Burst number	 <p>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 trace shows the signal level, which is approximately -10 dBm. The plot includes a 'Zero Span' view and a 'Spectrum' view. The signal is identified as 3DH1. The plot also shows a 'Ref Level' of 20.00 dBm, 'Att' of 30 dB, 'SWT' of 31.6 s, and 'VBW' of 3 MHz. The plot is dated 11.MAR.2021 16:11:42.</p>
3DH3 Burst width	 <p>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 trace shows the signal level, which is approximately -10 dBm. The plot includes a 'Zero Span' view and a 'Spectrum' view. The signal is identified as 3DH3. The plot also shows a 'Ref Level' of 20.00 dBm, 'Att' of 30 dB, 'SWT' of 10 ms, and 'VBW' of 3 MHz. The plot is dated 11.MAR.2021 16:12:12.</p>

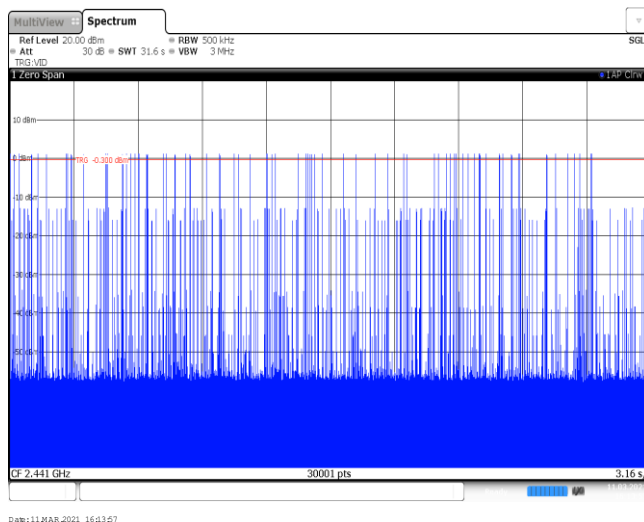
3DH3
Burst number



3DH5
Burst width

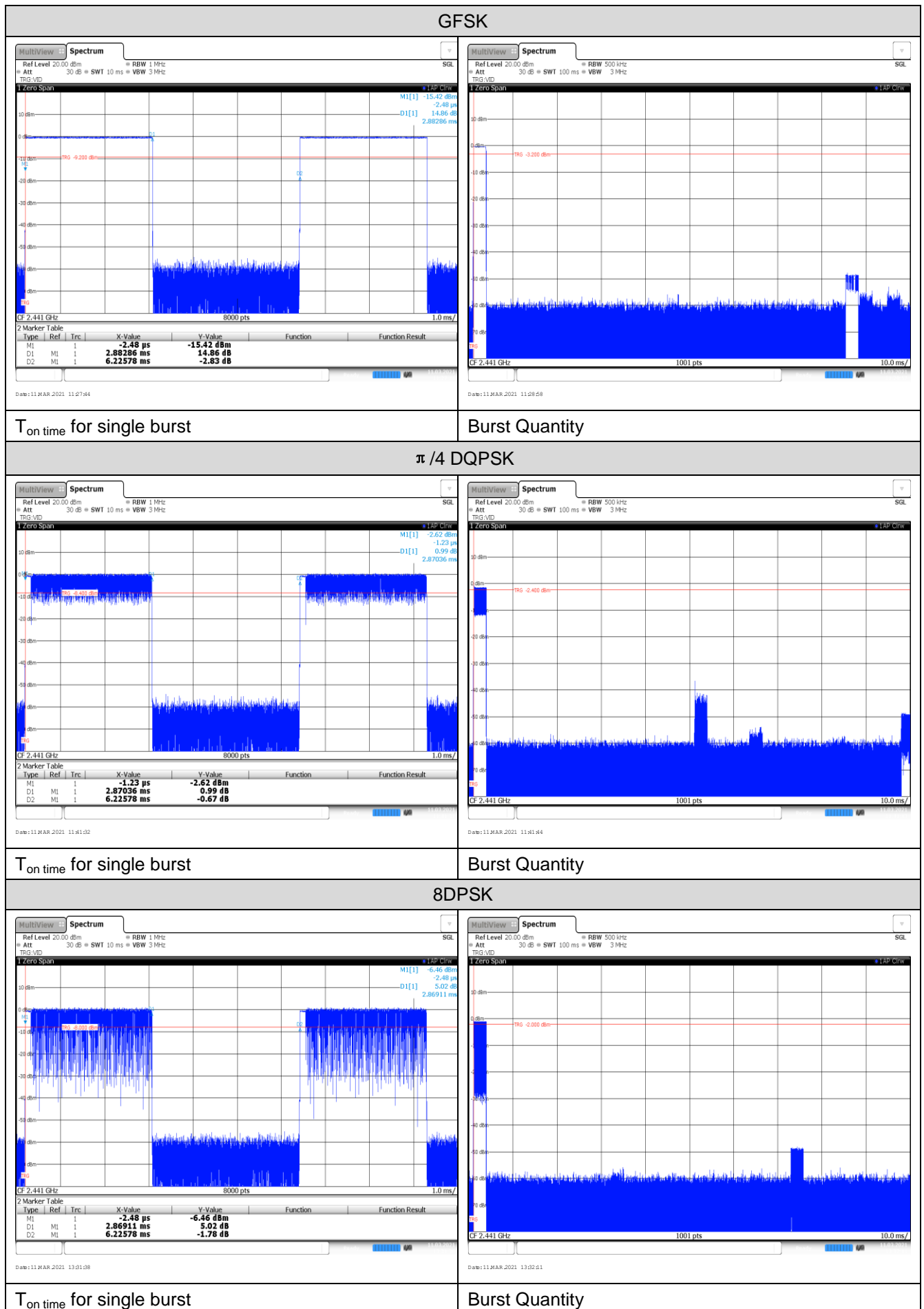


3DH5
Burst number



Appendix G: Duty Cycle Correction Factor (DCCF)

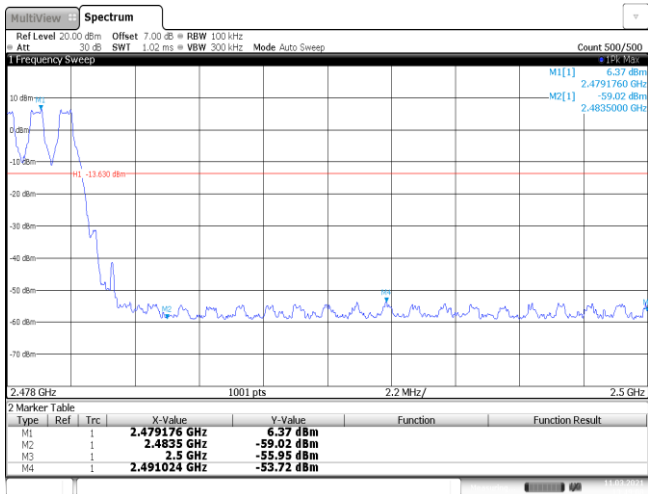
DCCF Calculate Formula					
DCCF=20 * Log(duty cycle) = 20 * Log($T_{\text{on time}} / T_{\text{period}}$)					
Modulation type	Test Frequency (MHz)	$T_{\text{on time}}$ for single burst [ms]	T_{period} [ms]	Burst Quantity	DCCF [dB]
GFSK	2441	2.88	100	1	-30.81
$\pi/4$ DQPSK	2441	2.87	100	1	-30.84
8DPSK	2441	2.87	100	1	-30.84



Appendix H: Band edge and Spurious Emissions (conducted)

Test Item:	Band edge	Modulation type:	GFSK
CH00 No hopping mode	<div><div><div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></di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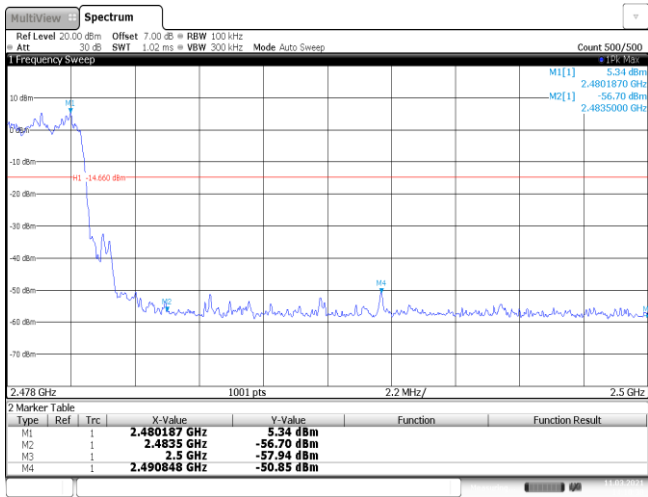
CH78
Hopping mode



Date: 11.MAR.2021 13:49:28

Test Item:	Band edge	Modulation type:	$\pi/4$ DQPSK																																										
CH00 No hopping mode	<div><div>MultiViewSpectrum</div><div>Ref Level 20.00 dBm Offset 7.00 dB RBW 100 kHz Att 30 dB SWI 1.05 ms VBW 300 kHz Mode Auto Sweep</div><div>Count 500/500</div><div>1 Frequency Sweep</div><div><div>M1 [1] 6.53 dBm 2.4022000 GHz</div><div>M2 [1] -45.74 dBm 2.4000000 GHz</div></div><div><div>30 dBm</div><div>0 dBm</div><div>-10 dBm</div><div>-20 dBm</div><div>-30 dBm</div><div>-40 dBm</div><div>-50 dBm</div><div>-60 dBm</div><div>-70 dBm</div></div><div>2.31 GHz1001 pts9.5 MHz/2.405 GHz</div><div><div>2 Marker Table</div><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>2.4022 GHz</td><td>6.53 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-45.74 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>-59.05 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399965 GHz</td><td>-46.03 dBm</td><td></td><td></td></tr></table></div></div> <div>Date: 11.MAR.2021 11:07:42</div>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.4022 GHz	6.53 dBm			M2	1		2.4 GHz	-45.74 dBm			M3	1		2.39 GHz	-57.88 dBm			M4	1		2.31 GHz	-59.05 dBm			M5	1		2.399965 GHz	-46.03 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.4022 GHz	6.53 dBm																																									
M2	1		2.4 GHz	-45.74 dBm																																									
M3	1		2.39 GHz	-57.88 dBm																																									
M4	1		2.31 GHz	-59.05 dBm																																									
M5	1		2.399965 GHz	-46.03 dBm																																									
CH00 Hopping mode	<div><div>MultiViewSpectrum</div><div>Ref Level 20.00 dBm Offset 7.00 dB RBW 100 kHz Att 30 dB SWI 1.05 ms VBW 300 kHz Mode Auto Sweep</div><div>Count 500/500</div><div>1 Frequency Sweep</div><div><div>M1 [1] 6.61 dBm 2.4041930 GHz</div><div>M2 [1] -47.90 dBm 2.4000000 GHz</div></div><div><div>30 dBm</div><div>0 dBm</div><div>-10 dBm</div><div>-20 dBm</div><div>-30 dBm</div><div>-40 dBm</div><div>-50 dBm</div><div>-60 dBm</div><div>-70 dBm</div></div><div>2.31 GHz1001 pts9.5 MHz/2.405 GHz</div><div><div>2 Marker Table</div><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>2.404193 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>-47.90 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-56.53 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-58.53 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.340685 GHz</td><td>-47.58 dBm</td><td></td><td></td></tr></table></div></div> <div>Date: 11.MAR.2021 14:09:53</div>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.404193 GHz	6.61 dBm			M2	1		2.4 GHz	-47.90 dBm			M3	1		2.39 GHz	-56.53 dBm			M4	1		2.31 GHz	-58.53 dBm			M5	1		2.340685 GHz	-47.58 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.404193 GHz	6.61 dBm																																									
M2	1		2.4 GHz	-47.90 dBm																																									
M3	1		2.39 GHz	-56.53 dBm																																									
M4	1		2.31 GHz	-58.53 dBm																																									
M5	1		2.340685 GHz	-47.58 dBm																																									
CH78 No hopping mode	<div><div>MultiViewSpectrum</div><div>Ref Level 20.00 dBm Offset 7.00 dB RBW 100 kHz Att 30 dB SWI 1.02 ms VBW 300 kHz Mode Auto Sweep</div><div>Count 500/500</div><div>1 Frequency Sweep</div><div><div>M1 [1] 5.37 dBm 2.4801870 GHz</div><div>M2 [1] -52.81 dBm 2.4835000 GHz</div></div><div><div>30 dBm</div><div>0 dBm</div><div>-10 dBm</div><div>-20 dBm</div><div>-30 dBm</div><div>-40 dBm</div><div>-50 dBm</div><div>-60 dBm</div><div>-70 dBm</div></div><div>2.478 GHz1001 pts2.2 MHz/2.5 GHz</div><div><div>2 Marker Table</div><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>2.480187 GHz</td><td>5.37 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-52.81 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-58.29 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.483522 GHz</td><td>-53.51 dBm</td><td></td><td></td></tr></table></div></div> <div>Date: 11.MAR.2021 13:24:43</div>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.480187 GHz	5.37 dBm			M2	1		2.4835 GHz	-52.81 dBm			M3	1		2.5 GHz	-58.29 dBm			M4	1		2.483522 GHz	-53.51 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.480187 GHz	5.37 dBm																																									
M2	1		2.4835 GHz	-52.81 dBm																																									
M3	1		2.5 GHz	-58.29 dBm																																									
M4	1		2.483522 GHz	-53.51 dBm																																									

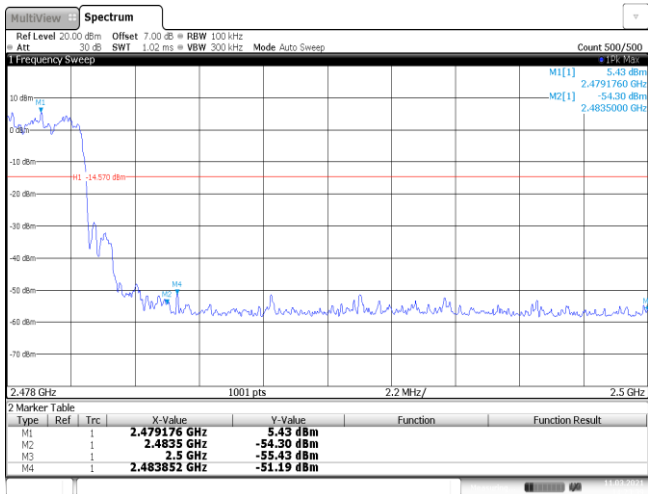
CH78
Hopping mode



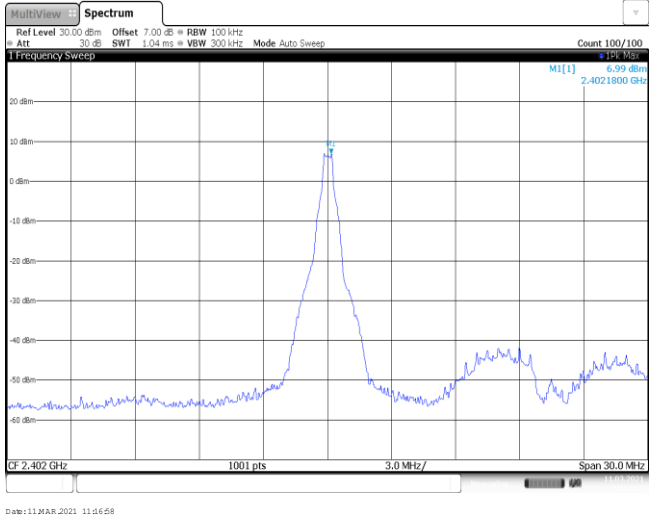
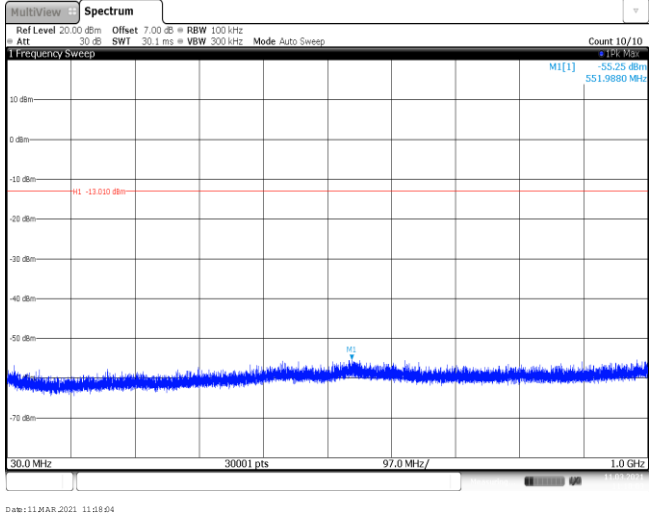
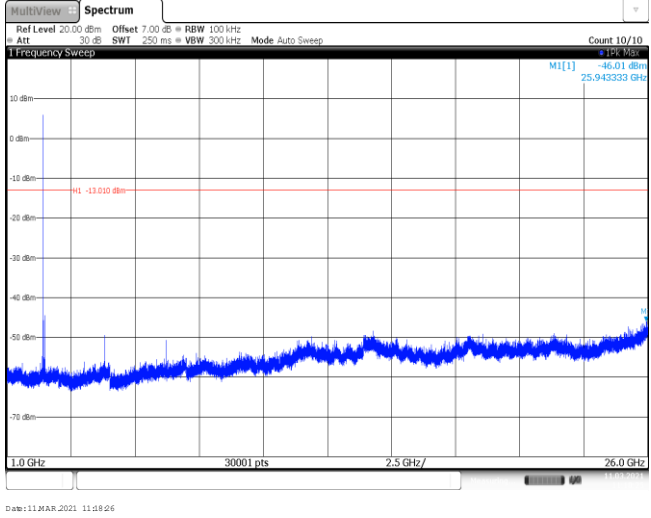
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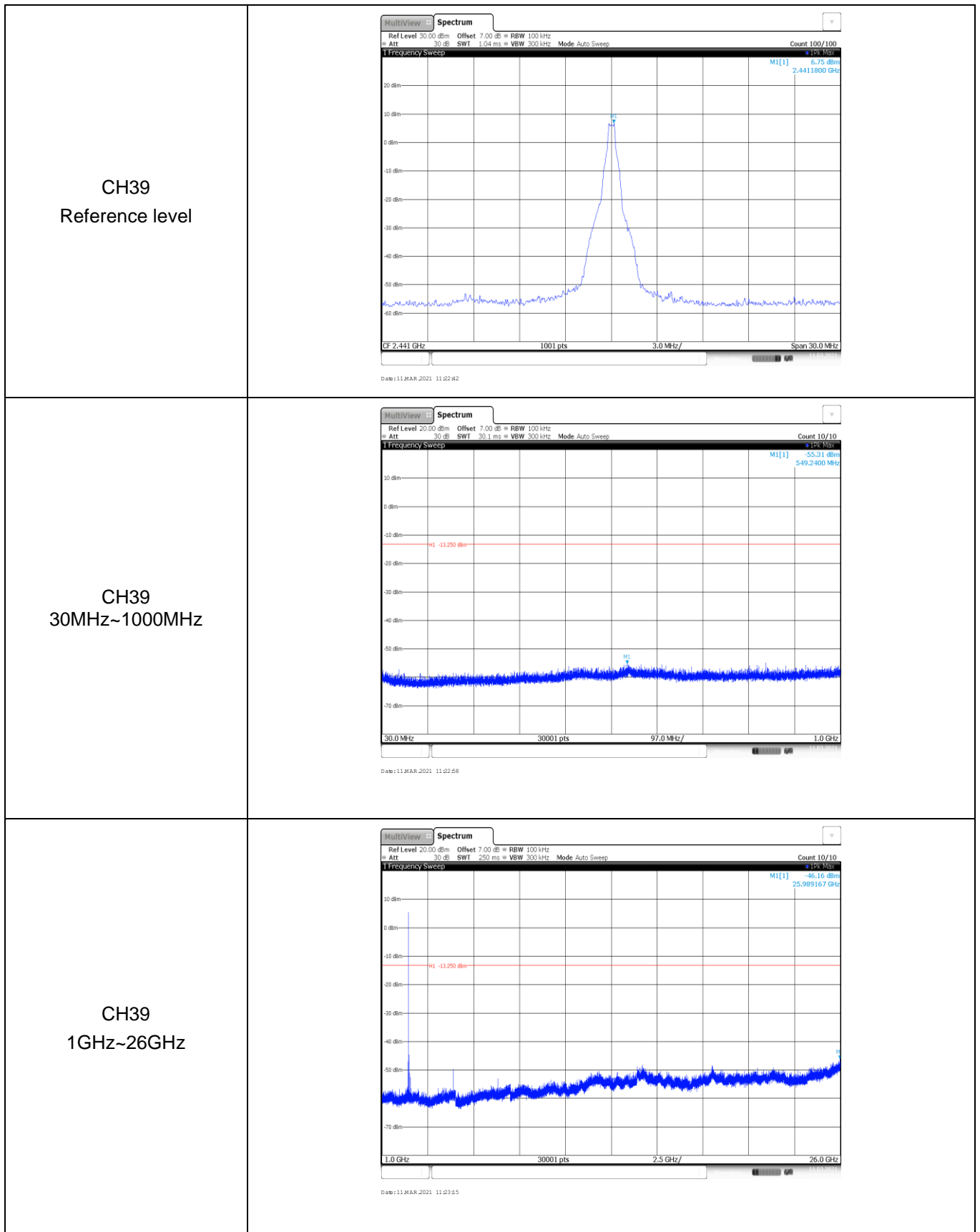
Test Item:	Band edge	Modulation type:	8DPSK
CH00 No hopping mode	<div><div><div><div>MultiView</div><div>Spectrum</div><div></div></div><div><div>Ref Level 20.00 dBm</div><div>Offset 7.00 dB</div><div>RBW 100 kHz</div><div>Att 30 dB</div><div>SWT 1.05 ms</div><div>VBW 300 kHz</div><div>Mode Auto Sweep</div><div>Count 500/500</div></div><div><div>1 Frequency Sweep</div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></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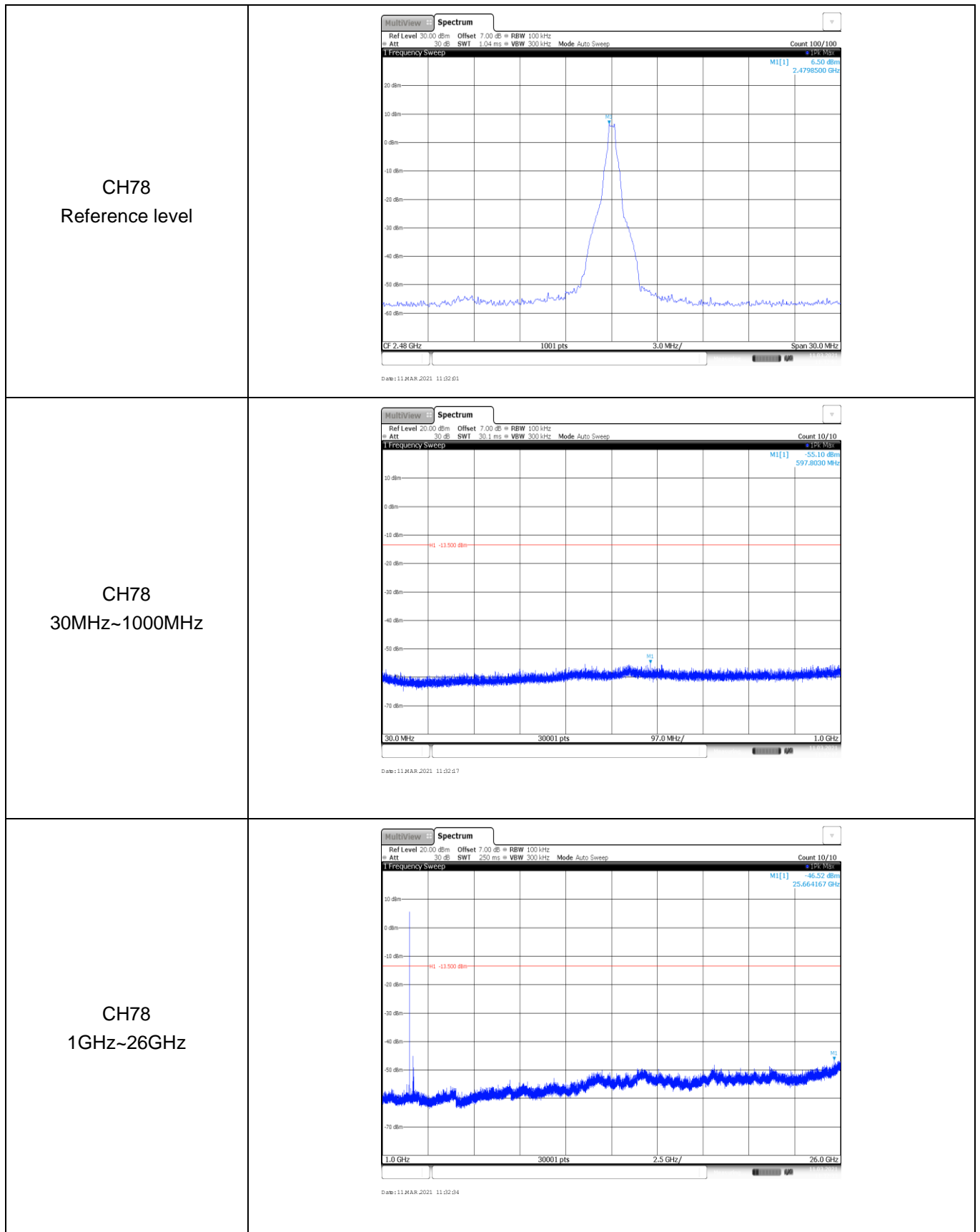
CH78
Hoppig mode

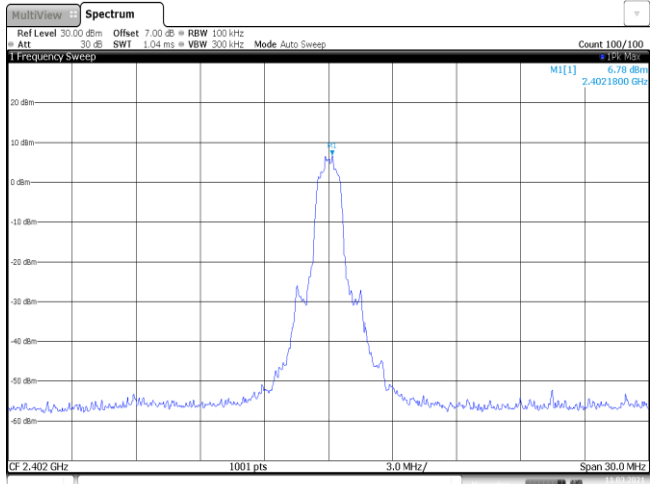
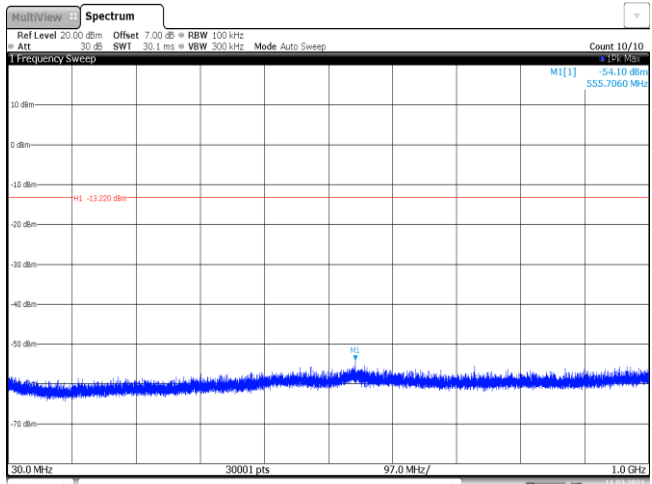
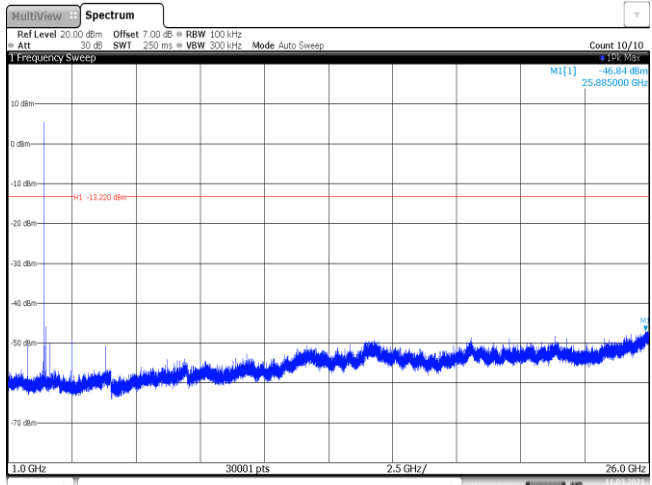


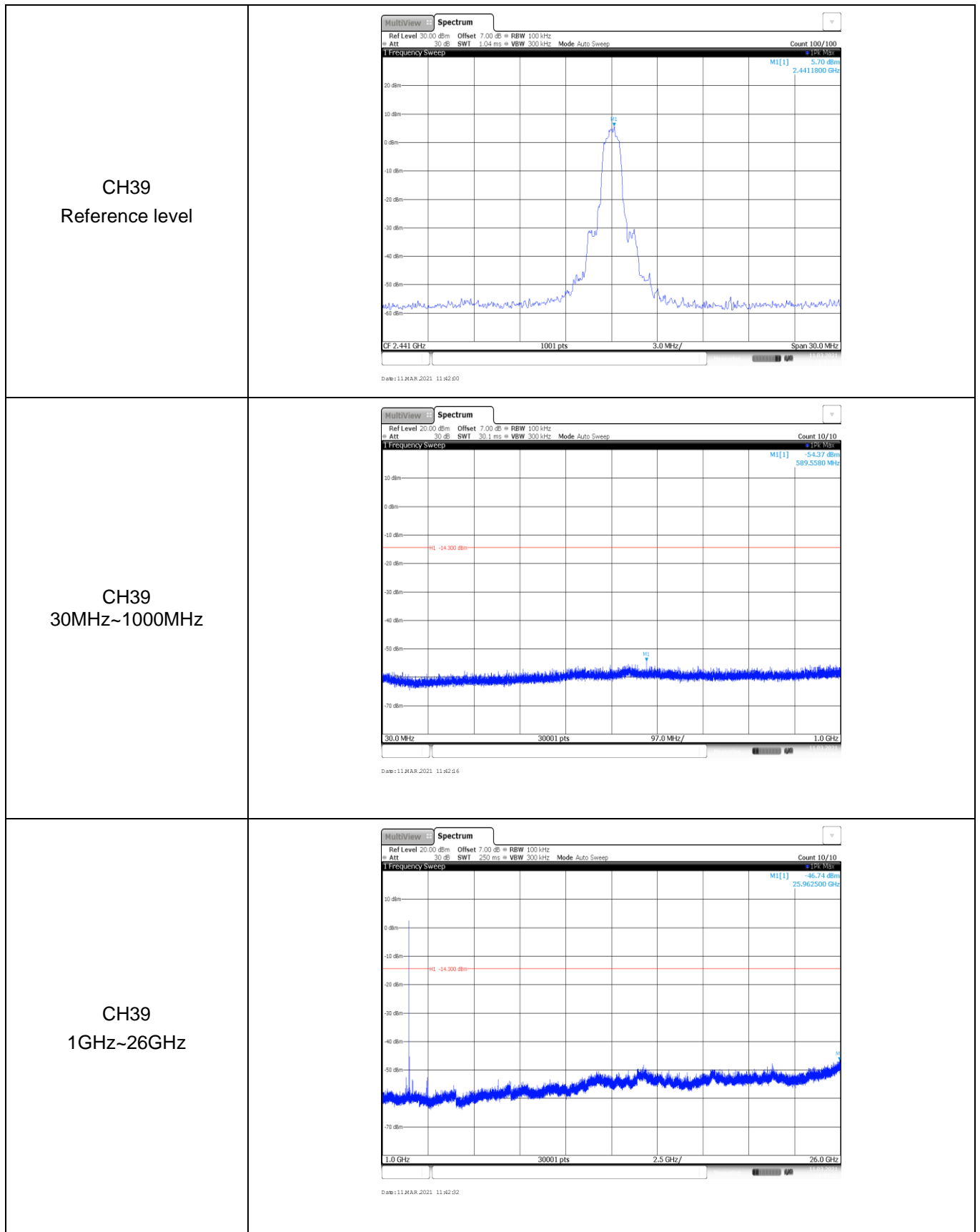
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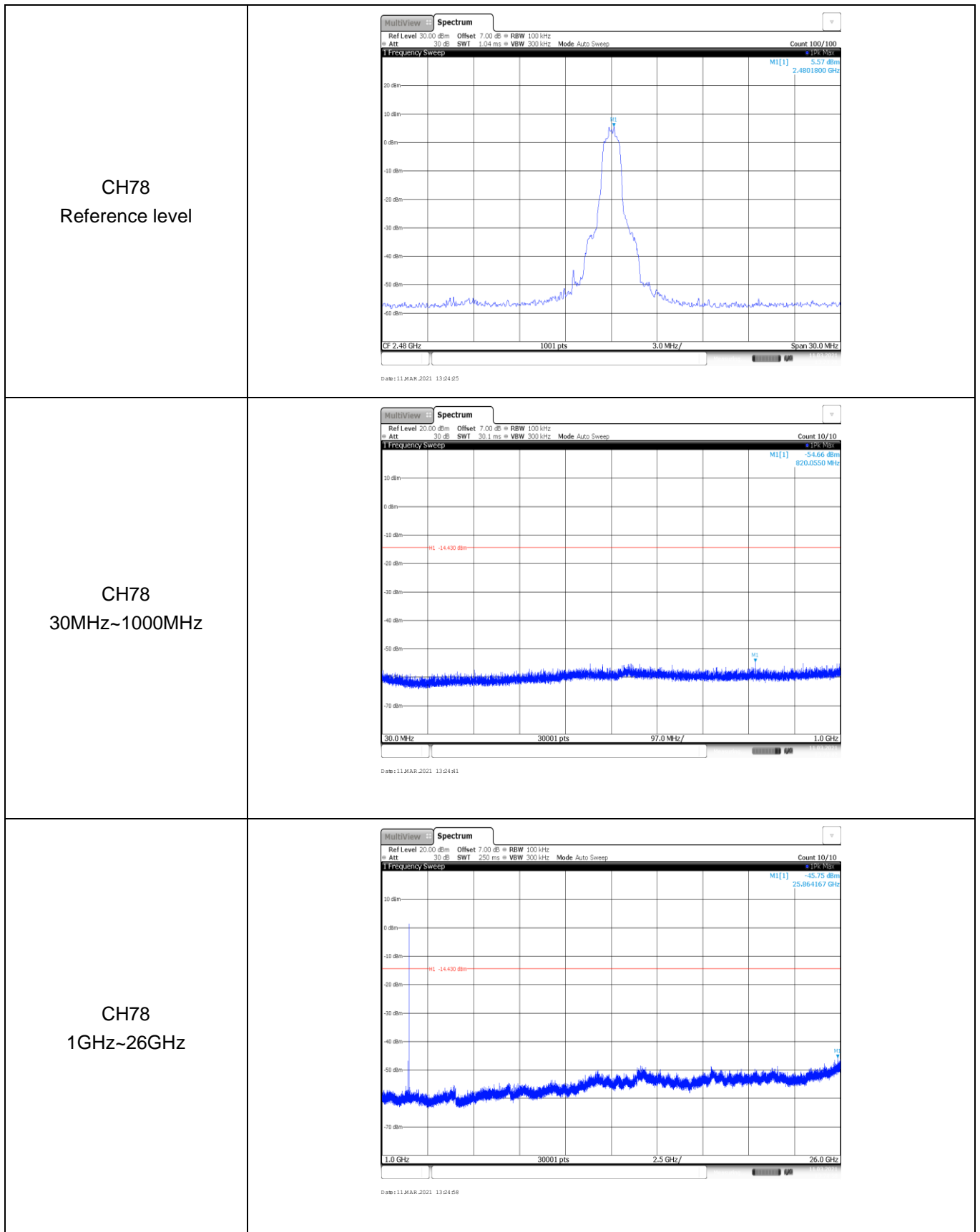
Test Item:	Spurious Emission	Modulation type:	GFSK
CH00 Reference level			
CH00 30MHz~1000MHz			
CH00 1GHz~26GHz			

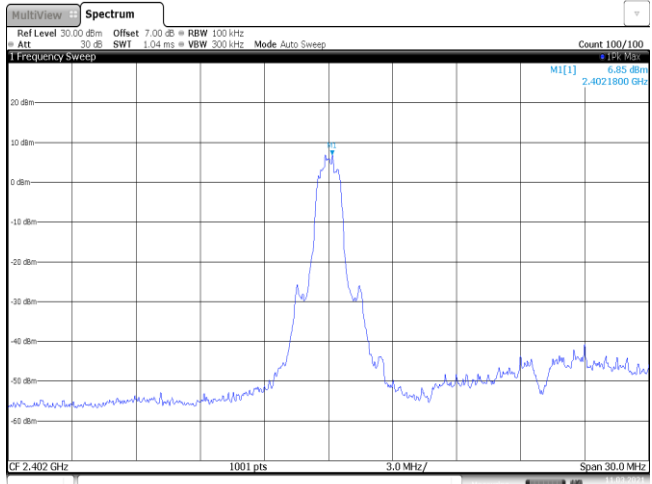
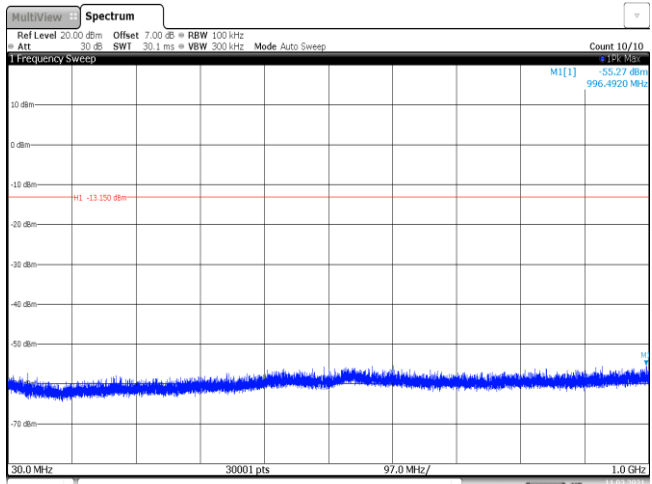
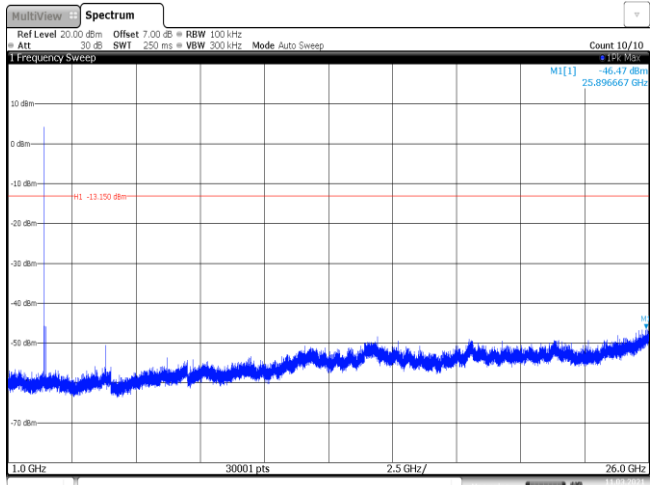


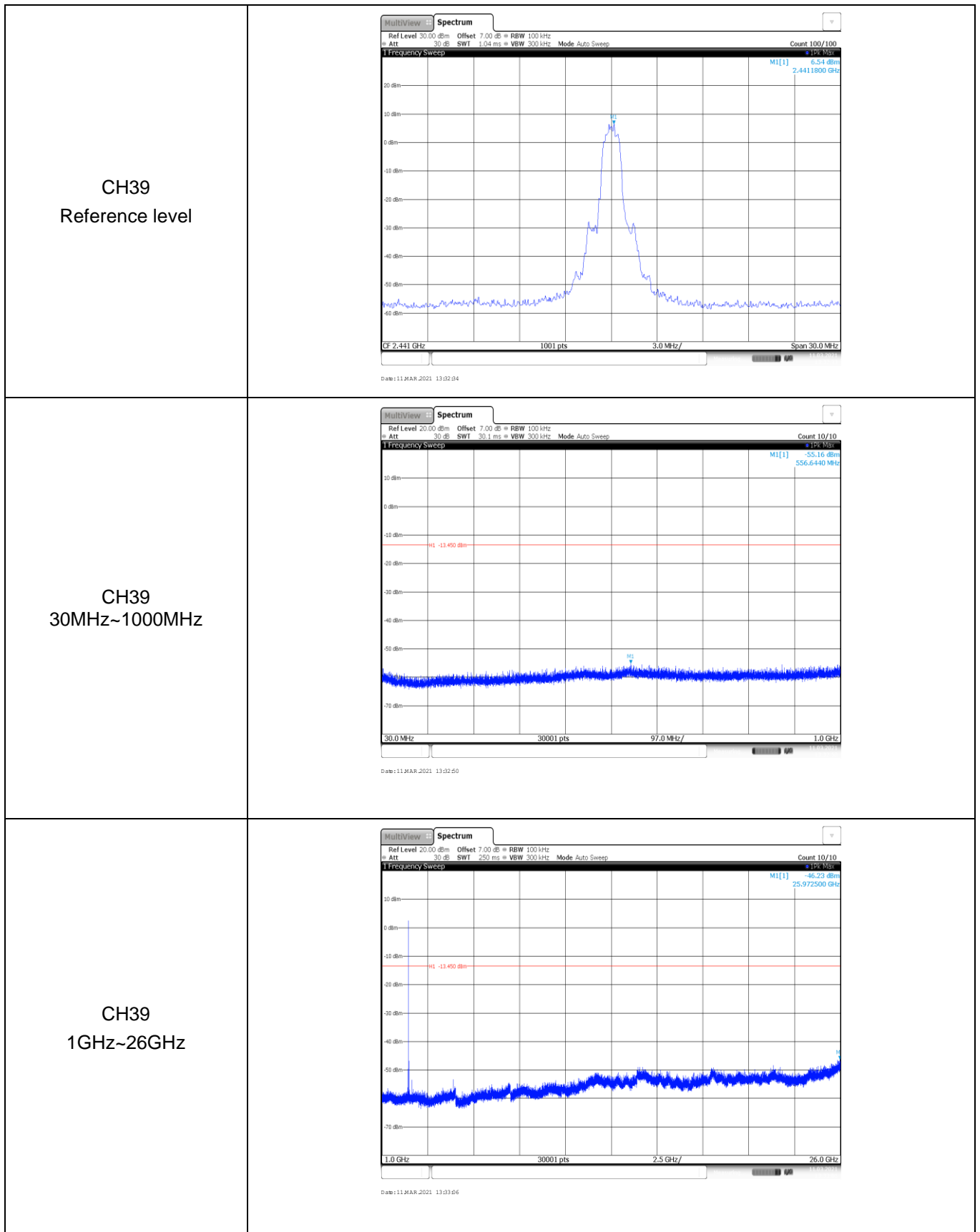


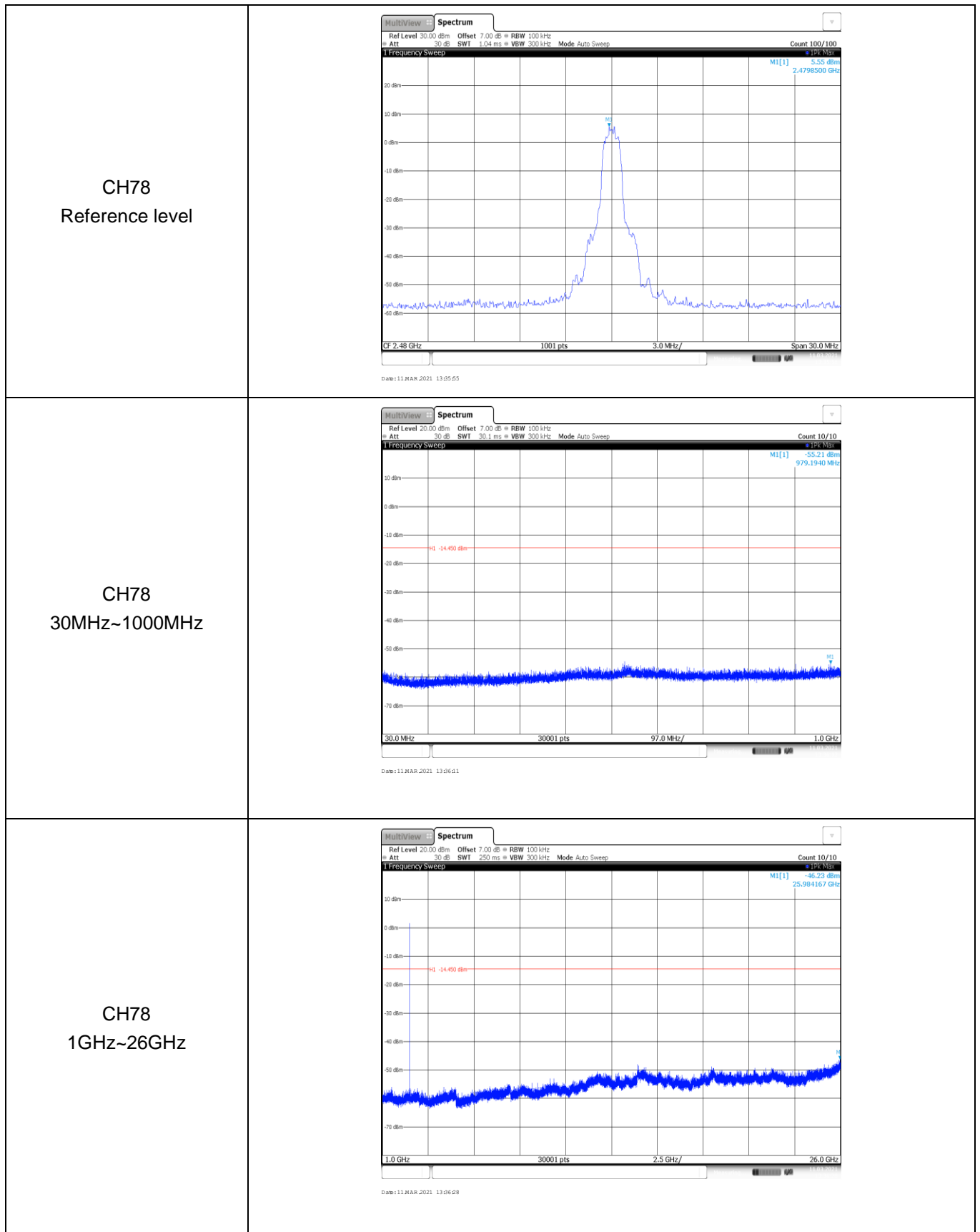
Test Item:	Spurious Emission	Modulation type:	$\pi/4$ DQPSK
CH00 Reference level	 <p>Ref Level 30.00 dBm Offset 7.00 dB RBW 100 kHz Att 30 dB SW1 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 M1[1] 6.78 dBm 2.4021800 GHz CF 2.402 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 11.MAR.2021 11:07:24</p>		
CH00 30MHz~1000MHz	 <p>Ref Level 20.00 dBm Offset 7.00 dB RBW 100 kHz Att 30 dB SW1 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -54.10 dBm 555.7060 MHz H1 -13.220 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 11.MAR.2021 11:07:40</p>		
CH00 1GHz~26GHz	 <p>Ref Level 20.00 dBm Offset 7.00 dB RBW 100 kHz Att 30 dB SW1 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -46.84 dBm 25.885000 GHz H1 -13.220 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 11.MAR.2021 11:07:57</p>		





Test Item:	Spurious Emission	Modulation type:	8DPSK
CH00 Reference level	 <p>Ref Level 30.00 dBm Offset 7.00 dB RBW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 M1[1] 6.55 dBm 2.4021800 GHz CF 2.402 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 11.MAR.2021 13:28:44</p>		
CH00 30MHz~1000MHz	 <p>Ref Level 20.00 dBm Offset 7.00 dB RBW 100 kHz Att 30 dB SWI 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -53.27 dBm 996.4920 MHz M1 -13.150 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 11.MAR.2021 13:29:00</p>		
CH00 1GHz~26GHz	 <p>Ref Level 20.00 dBm Offset 7.00 dB RBW 100 kHz Att 30 dB SWI 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -46.47 dBm 25.896667 GHz M1 -13.150 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 11.MAR.2021 13:29:16</p>		





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