

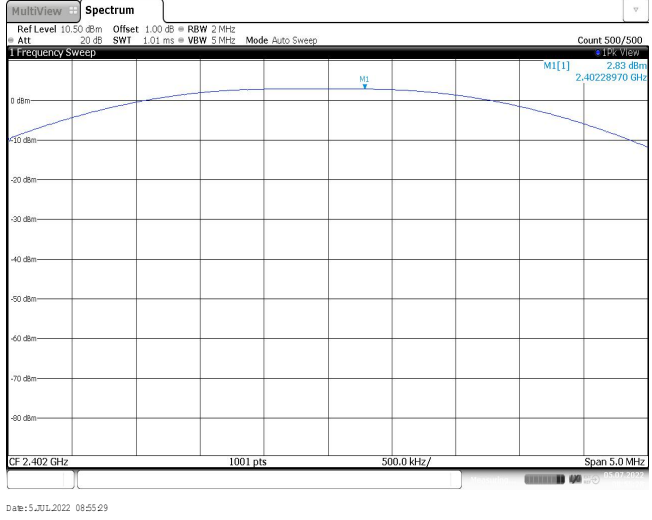
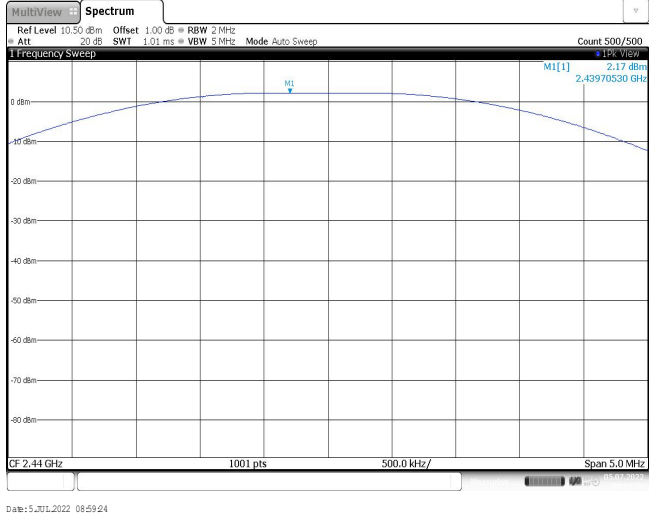
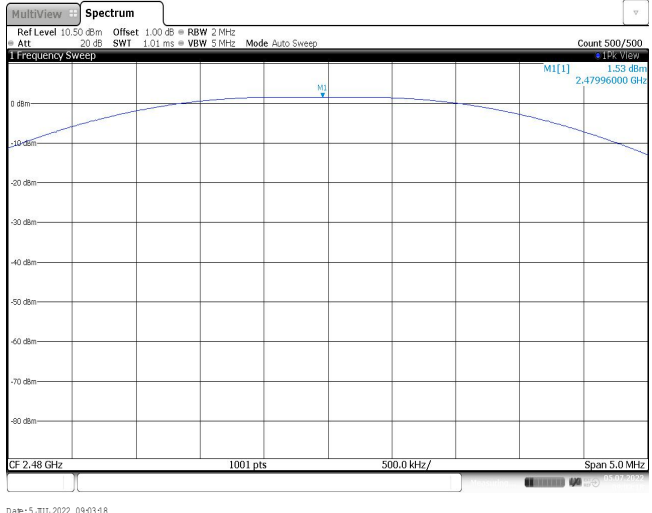
APPENDIX REPORT

Project No.	SHT2206082504EW	Radio Specification	Bluetooth BLE
Test sample No.	YPHT22060825005	Model No.	AOJ-30C
Start test date	2022-07-05	Finish date	2022-07-05
Temperature	26.1℃	Humidity	40%
Test Engineer	Xiaoqin Li	Auditor	Xiaodong Zhu

Appendix clause	Test item	Result
A	Peak Output Power	PASS
B	Power Spectral Density	PASS
C	6 dB Bandwidth	PASS
D	99% Occupied Bandwidth	PASS
E	Duty cycle	PASS
F	Band edge and Spurious Emissions (conducted)	PASS

Appendix A: Peak Output Power

Type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
BT-BLE	00	2.83	2.81	≤ 30.00	Pass
	19	2.17	2.16		
	39	1.53	1.52		

<p>CH00</p>	
<p>CH19</p>	
<p>CH39</p>	

Appendix B: Power Spectral Density

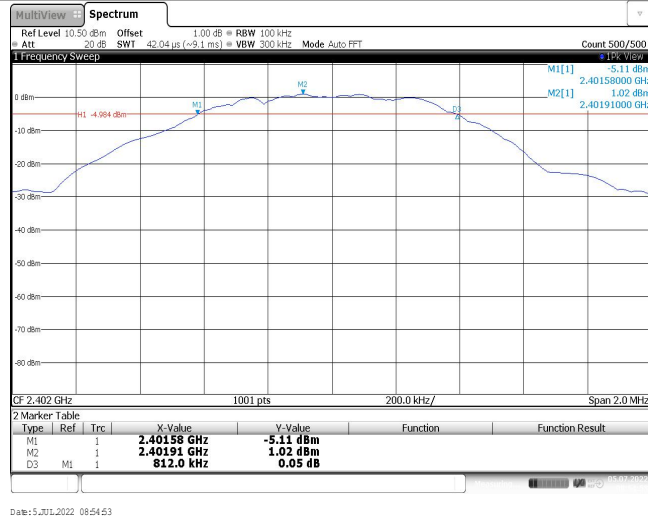
Type	Channel	Power Spectral Density(dBm/3KHz)	Limit (dBm/3KHz)	Result
BT-BLE	00	-13.65	≤8.00	Pass
	19	-15.58		
	39	-14.37		

<p>CH00</p>	<p>Date: 5.30.2022 08:55:49</p>
<p>CH19</p>	<p>Date: 5.30.2022 09:20:01</p>
<p>CH39</p>	<p>Date: 5.30.2022 09:23:38</p>

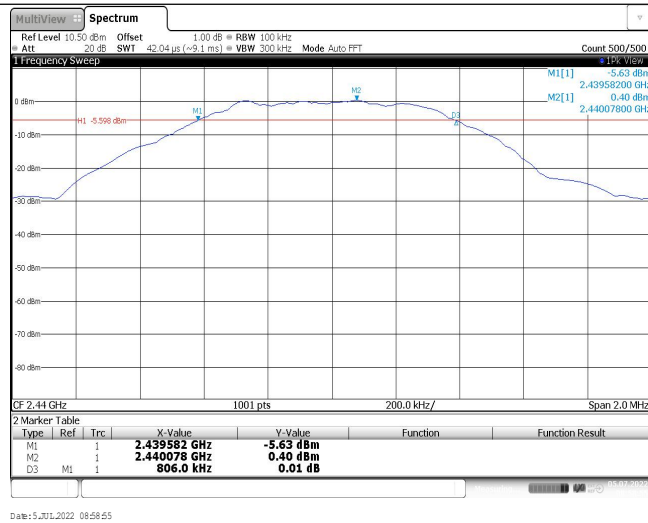
Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth(kHz)	Limit (kHz)	Result
BT-BLE	00	812.00	≥500	Pass
	19	806.00		
	39	814.00		

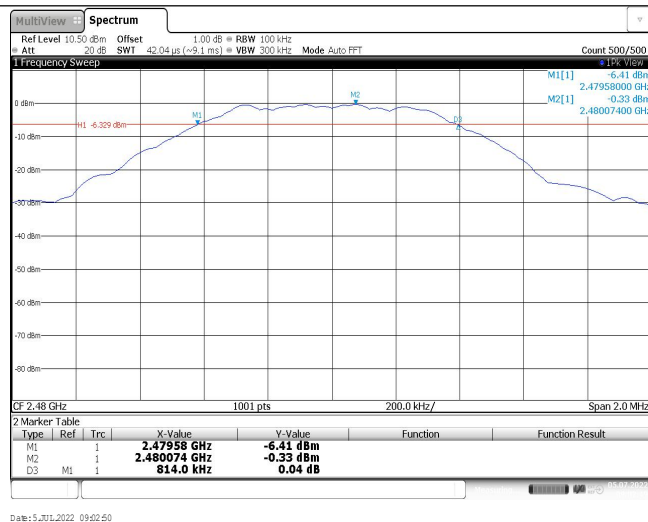
CH00



CH19


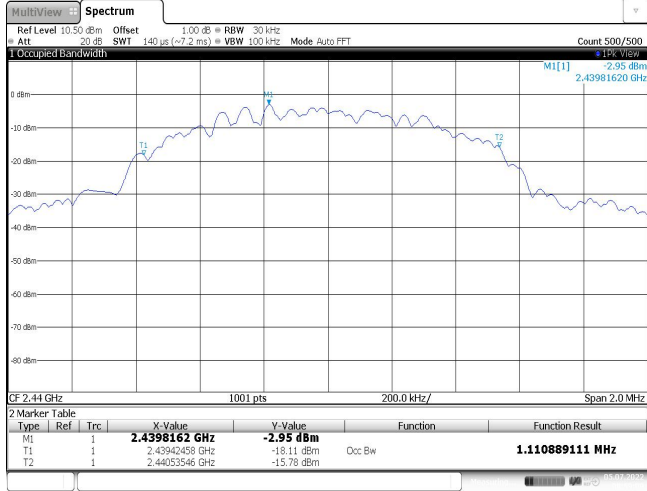
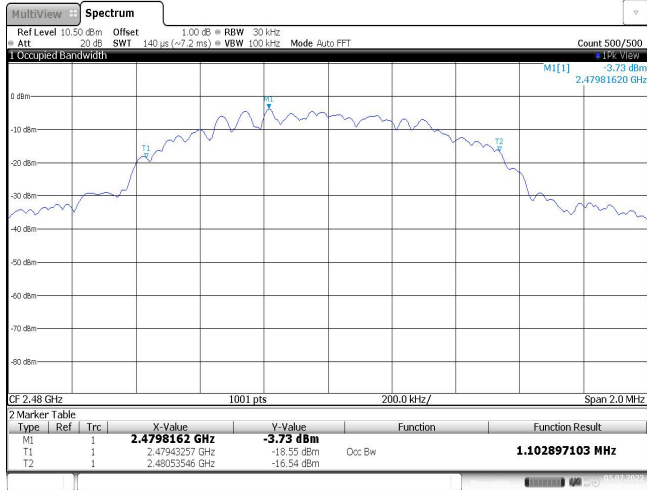


CH39



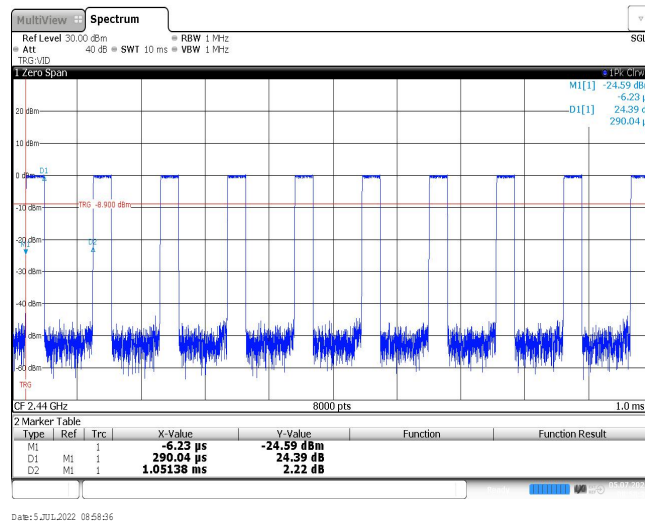
Appendix D: 99% Occupied Bandwidth

Type	Channel	99% Occupied Bandwidth(MHz)	Limit (kHz)	Result
BT-BLE	00	1.12	-	Pass
	19	1.11		
	39	1.10		

<p>CH00</p>	 <p>Ref Level 10.50 dBm Offset 30 dB SWI 140 us (~7.2 ms) RBW 30 kHz Mode Auto FFT Count 500/500 Att 30 dB SWI 140 us (~7.2 ms) VBW 100 kHz</p> <p>1 Occupied Bandwidth</p> <p>CF 2.402 GHz 1001 pts 200.0 kHz/ Span 2.0 MHz</p> <table border="1"> <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>2.4018162 GHz</td> <td>-2.33 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.40141658 GHz</td> <td>-19.35 dBm</td> <td>Occ Bw</td> <td>1.118881119 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.40253546 GHz</td> <td>-15.38 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 5/30/2022 08:55:14</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.4018162 GHz	-2.33 dBm			T1	1		2.40141658 GHz	-19.35 dBm	Occ Bw	1.118881119 MHz	T2	1		2.40253546 GHz	-15.38 dBm		
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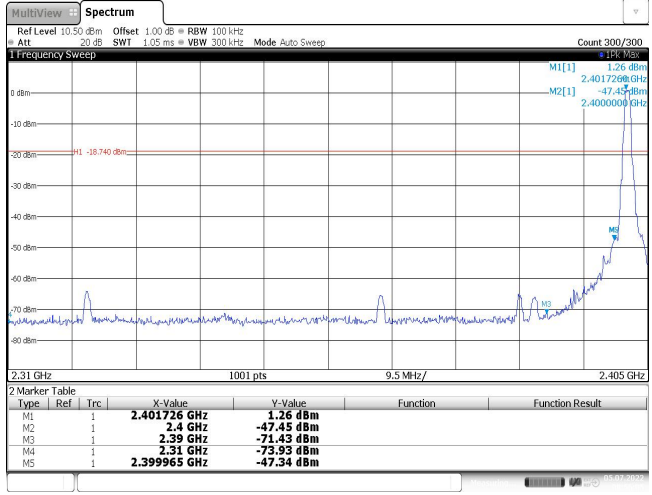
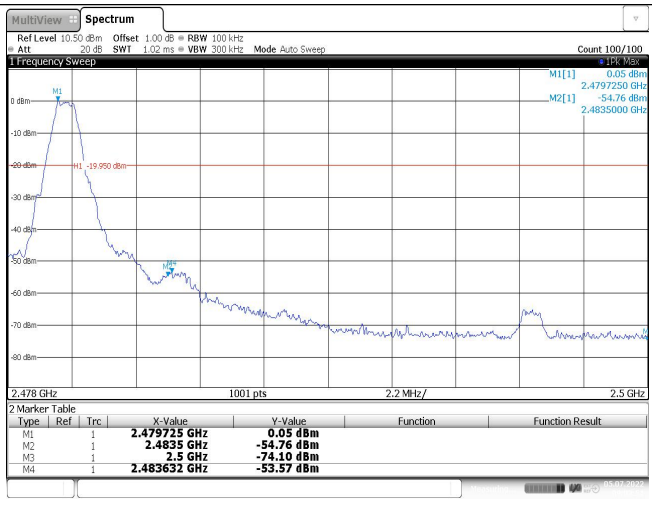
Appendix E: Duty cycle

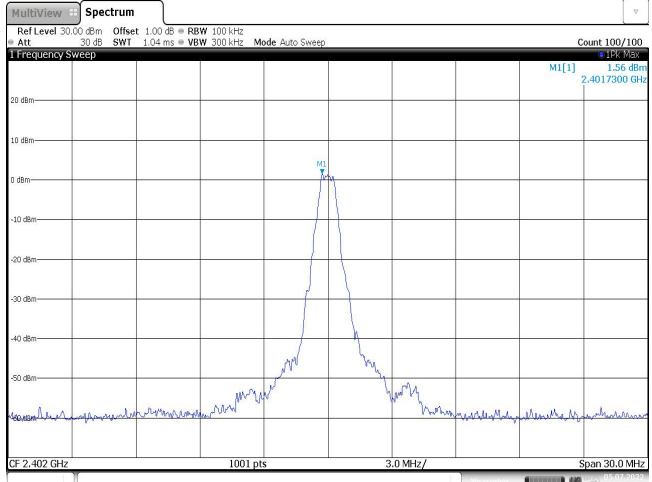
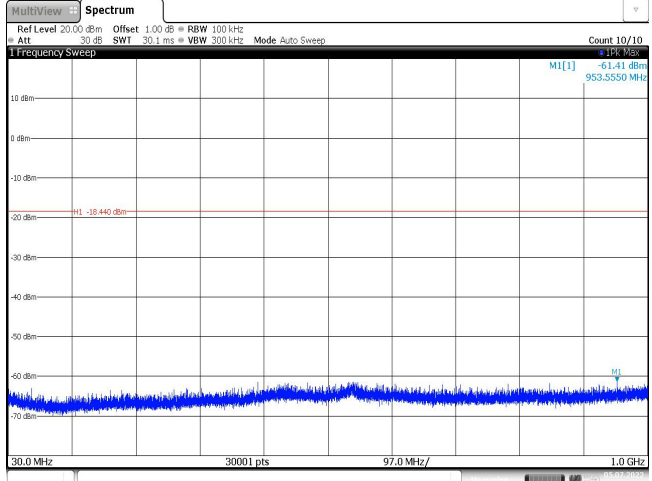
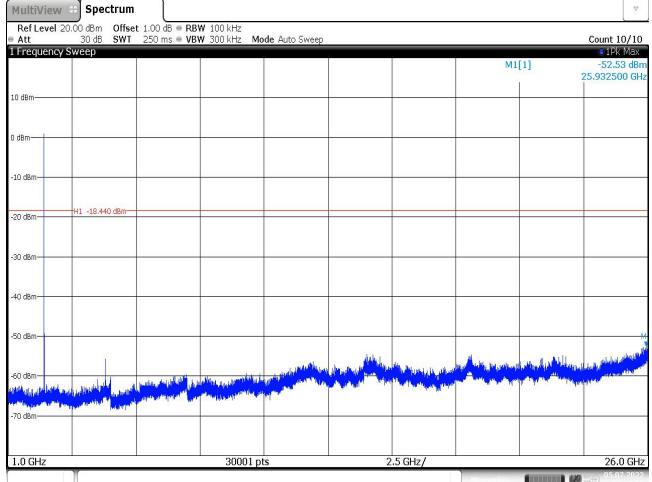
Test Frequency (MHz)	T _{on} time for single burst (ms)	T _{period} (ms)	Duty cycle	1/T _{on} time (kHz)
2440	0.29	1.05	27.6%	3.45

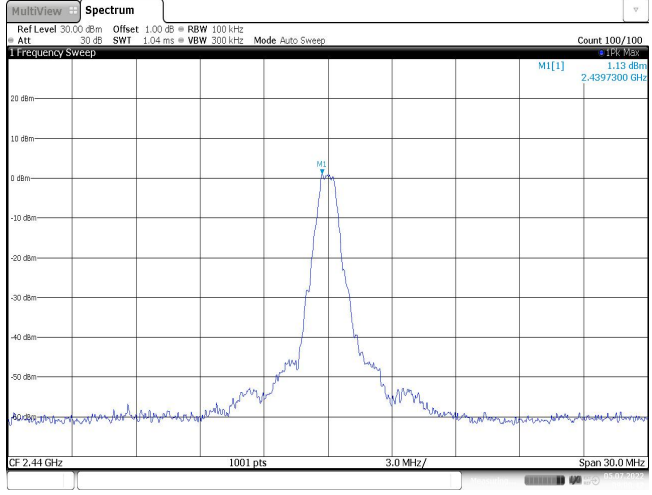
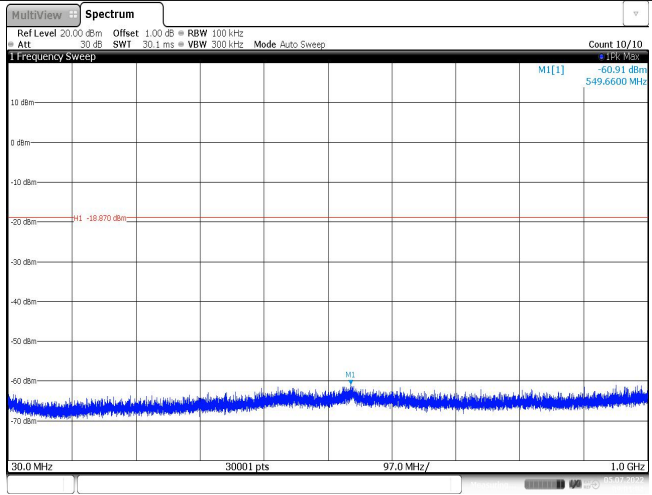
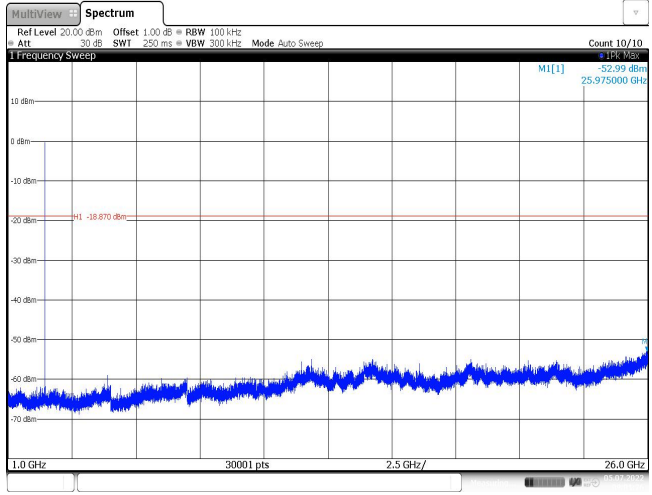


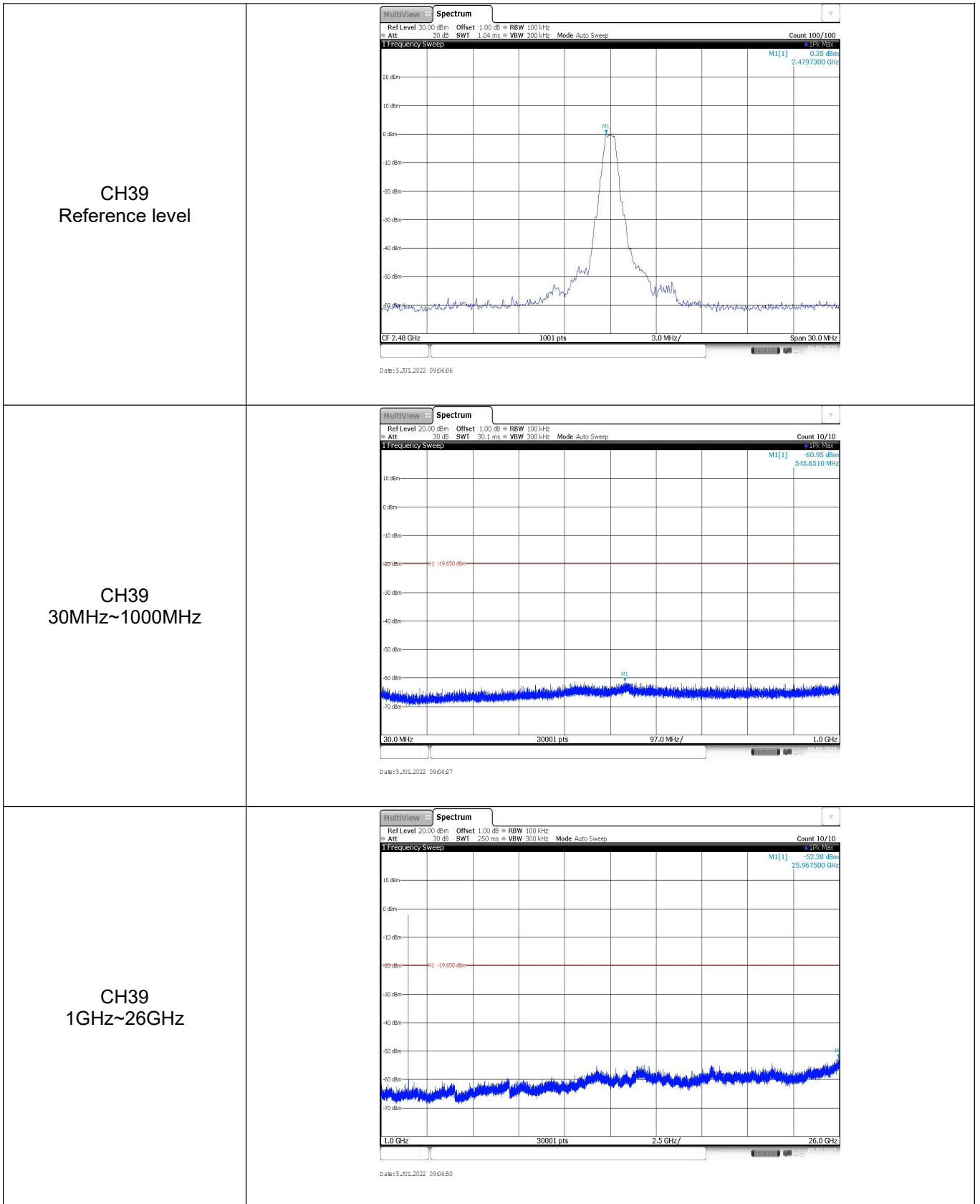
Date: 5 JUL 2022 08:58:36

Appendix F: Band edge and Spurious Emissions (conducted)

Test Item:	Band edge																																										
<p style="text-align: center;">CH00</p>	 <p>2 Marker Table</p> <table border="1"> <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>2.401726 GHz</td> <td>1.26 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-47.45 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-71.43 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-73.93 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399965 GHz</td> <td>-47.34 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 5 JUL 2022 08:56:05</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.401726 GHz	1.26 dBm			M2	1		2.4 GHz	-47.45 dBm			M3	1		2.39 GHz	-71.43 dBm			M4	1		2.31 GHz	-73.93 dBm			M5	1		2.399965 GHz	-47.34 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																					
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<p style="text-align: center;">CH39</p>	 <p>2 Marker Table</p> <table border="1"> <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>2.479725 GHz</td> <td>0.05 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-54.76 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-74.10 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.483632 GHz</td> <td>-53.57 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 5 JUL 2022 09:03:54</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.479725 GHz	0.05 dBm			M2	1		2.4835 GHz	-54.76 dBm			M3	1		2.5 GHz	-74.10 dBm			M4	1		2.483632 GHz	-53.57 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																					
M1	1		2.479725 GHz	0.05 dBm																																							
M2	1		2.4835 GHz	-54.76 dBm																																							
M3	1		2.5 GHz	-74.10 dBm																																							
M4	1		2.483632 GHz	-53.57 dBm																																							

Test Item:	SE
<p>CH00 Reference level</p>	 <p>MultiView Spectrum Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 1 Frequency Sweep MI[1] 1.56 dBm 2.4017300 GHz CF 2.402 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 5 JUL 2022 08:56:19</p>
<p>CH00 30MHz~1000MHz</p>	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1 Frequency Sweep MI[1] -61.41 dBm 950.5550 MHz M1 -18.440 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 5 JUL 2022 08:56:40</p>
<p>CH00 1GHz~26GHz</p>	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1 Frequency Sweep MI[1] -52.53 dBm 25.932600 GHz M1 -18.440 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 5 JUL 2022 08:57:03</p>

<p>CH19 Reference level</p>	 <p>MultiView Spectrum Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1[1] 1.13 dBm 2.4397300 GHz CF 2.44 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 5/30/2022 09:50:43</p>
<p>CH19 30MHz~1000MHz</p>	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1 Frequency Sweep M1[1] -60.91 dBm 549.6600 MHz M1 -18.870 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 5/30/2022 09:51:04</p>
<p>CH19 1GHz~26GHz</p>	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1 Frequency Sweep M1[1] -52.99 dBm 25.975000 GHz M1 -18.870 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 5/30/2022 09:51:26</p>



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