

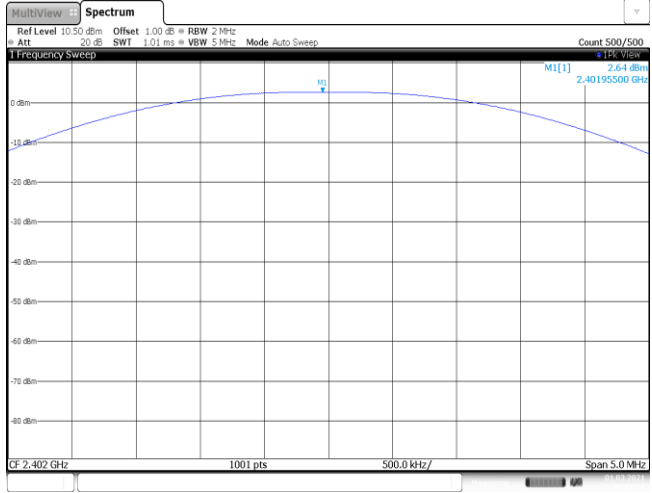
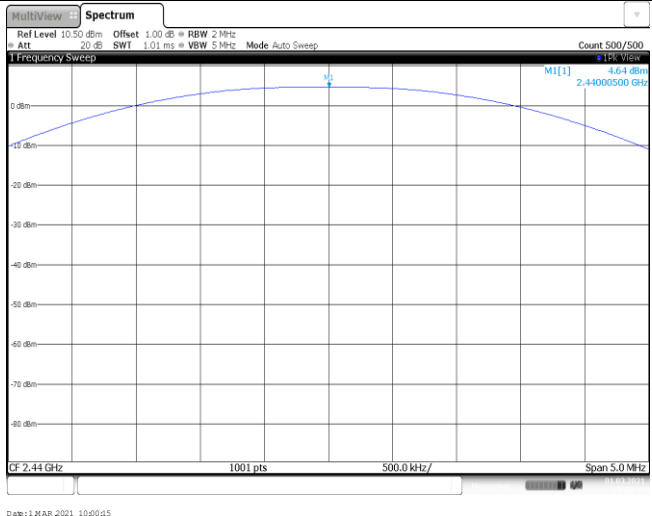
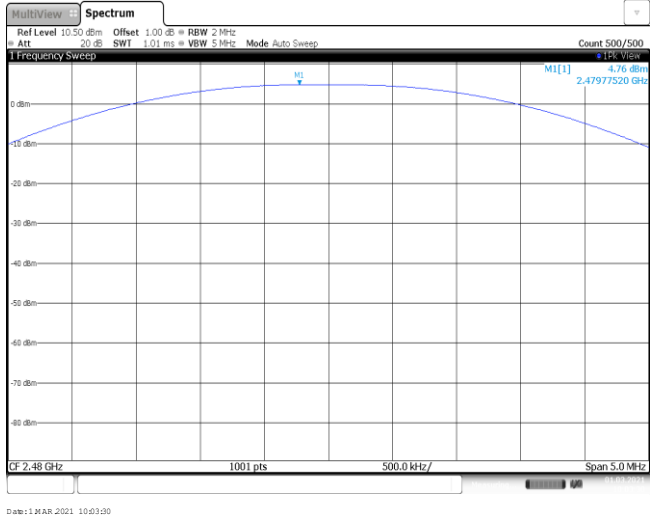
APPENDIX REPORT

Project No.	SHT2102011302EW	Radio Specification	Bluetooth BLE
Test sample No.	YPHT21020113004	Model No.	ABX00023
Start test date	2021-03-01	Finish date	2021-03-01
Temperature	21.8°C	Humidity	42%
Test Engineer	Hailey Chen	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

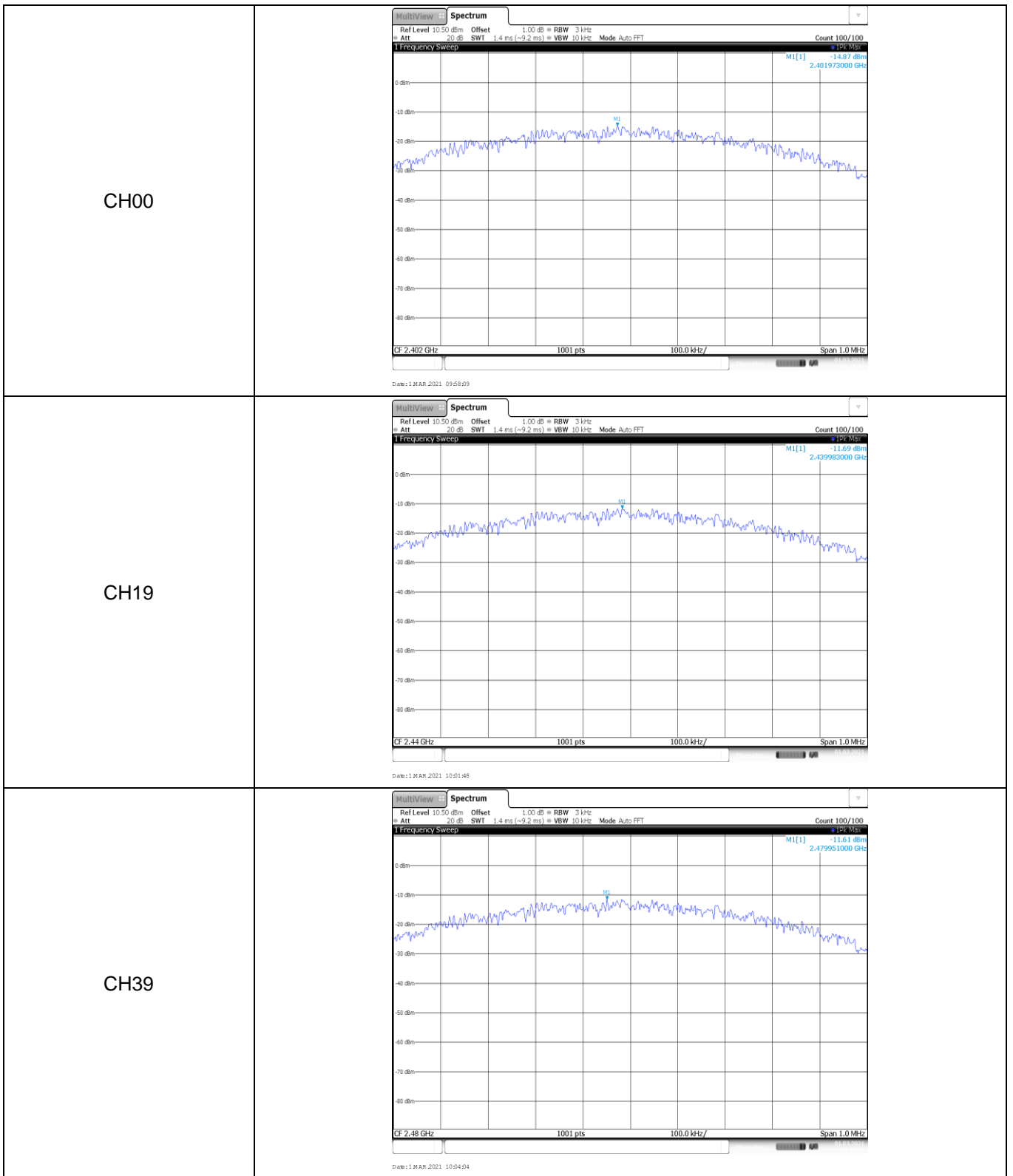
Appendix A: Peak Output Power

Type	Channel	Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
BT-BLE	00	2.64	2.61	≤ 30.00	Pass
	19	4.64	4.60		
	39	4.76	4.74		

<p>CH00</p>	 <p>Date: 11 MAR 2021 09:57:54</p>
<p>CH19</p>	 <p>Date: 11 MAR 2021 10:40:15</p>
<p>CH39</p>	 <p>Date: 11 MAR 2021 10:43:30</p>

Appendix B: Power Spectral Density

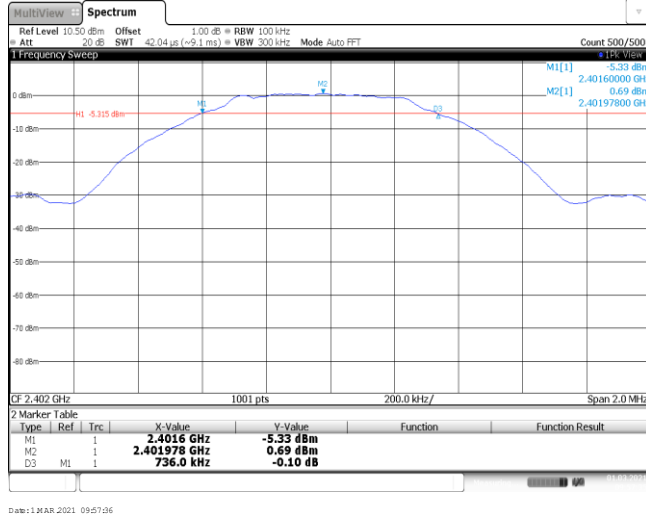
Type	Channel	Power Spectral Density(dBm/3KHz)	Limit (dBm/3KHz)	Result
BT-BLE	00	-14.87	≤8.00	Pass
	19	-11.69		
	39	-11.61		



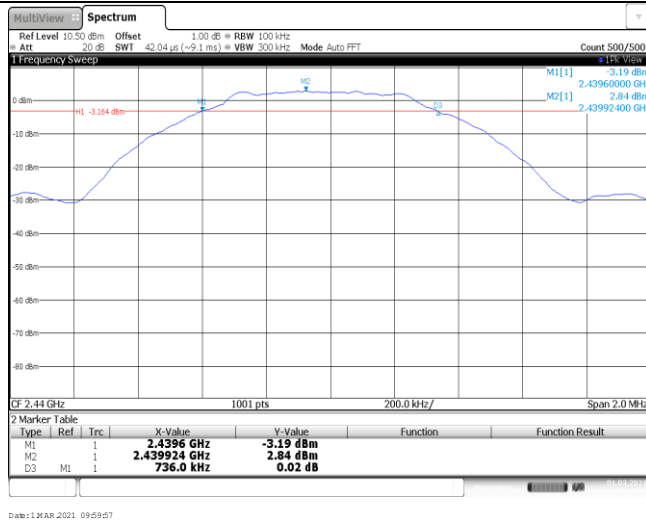
Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth(kHz)	Limit (kHz)	Result
BT-BLE	00	736.00	≥500	Pass
	19	736.00		
	39	694.00		

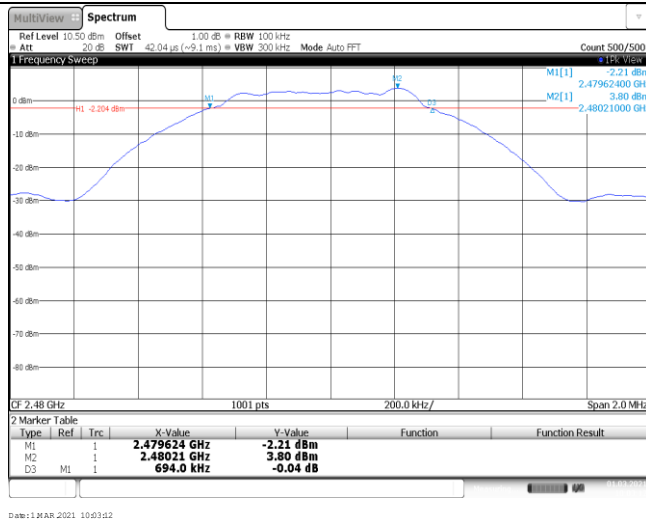
CH00



CH19



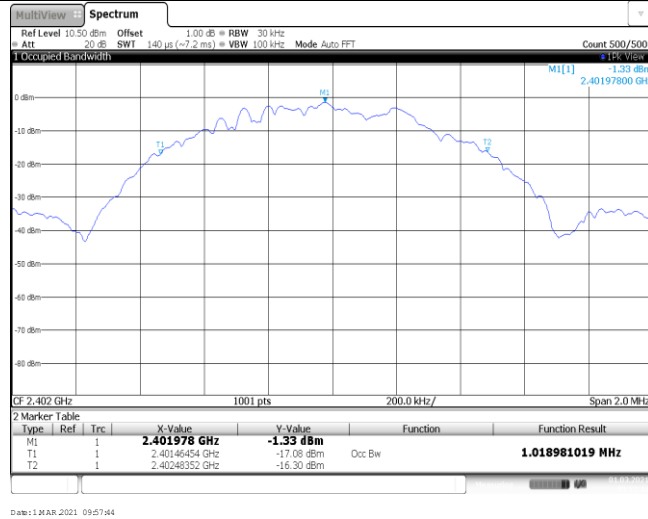
CH39



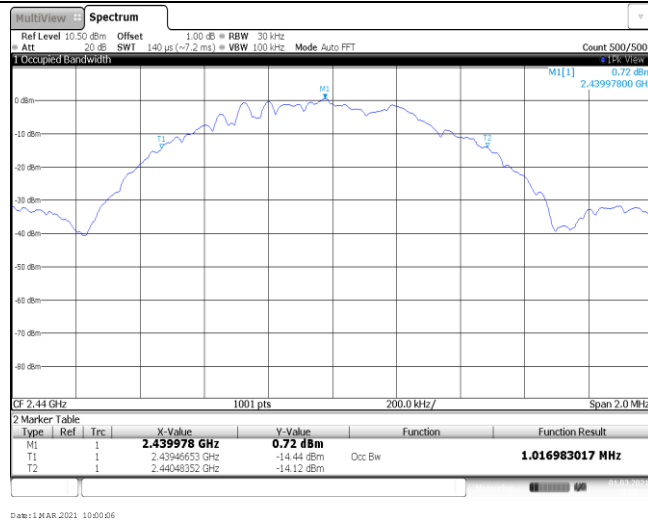
Appendix D: 99% Occupied Bandwidth

Type	Channel	99% Occupied Bandwidth(MHz)	Limit (kHz)	Result
BT-BLE	00	1.02	-	Pass
	19	1.02		
	39	1.02		

CH00



CH19

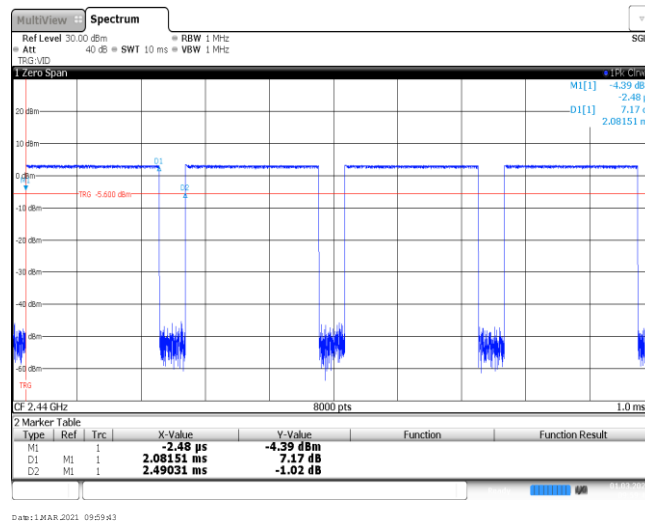


CH39

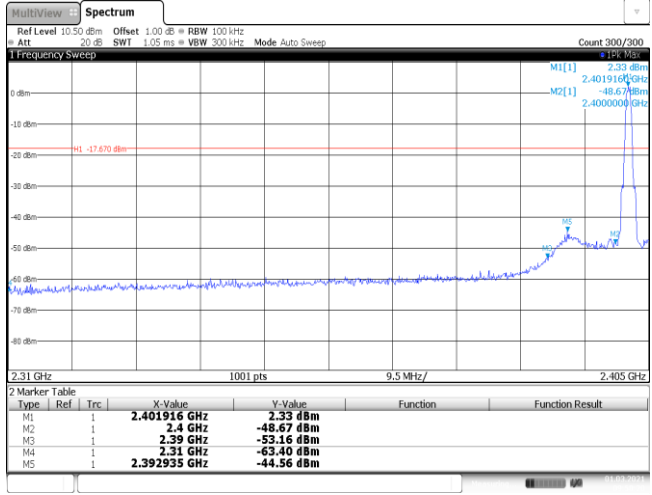
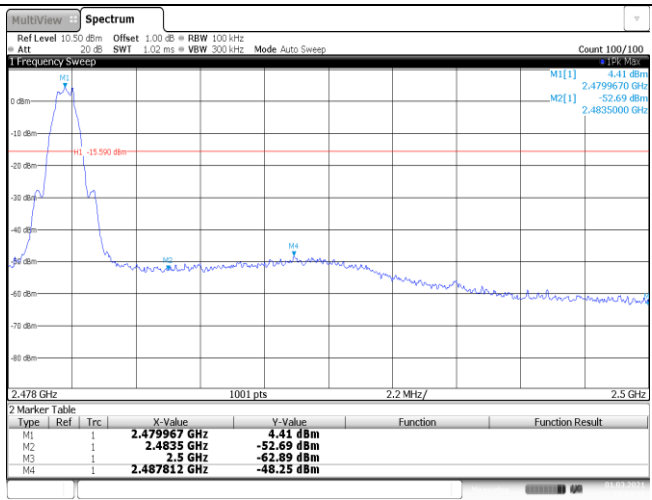


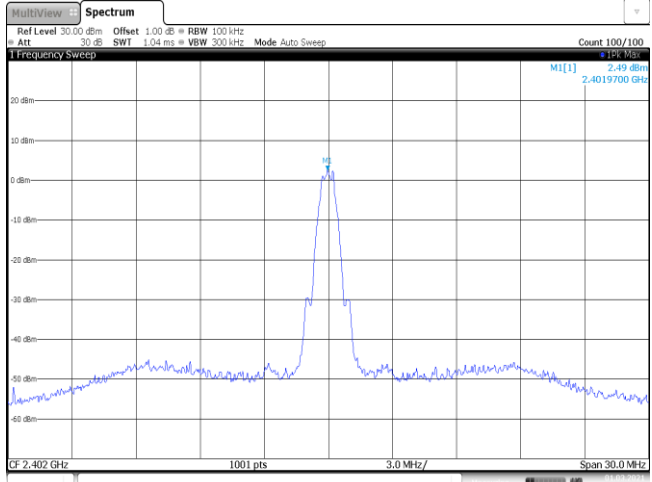
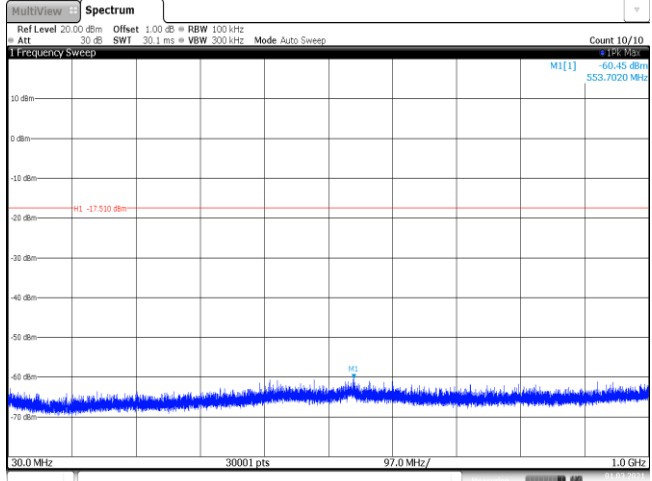
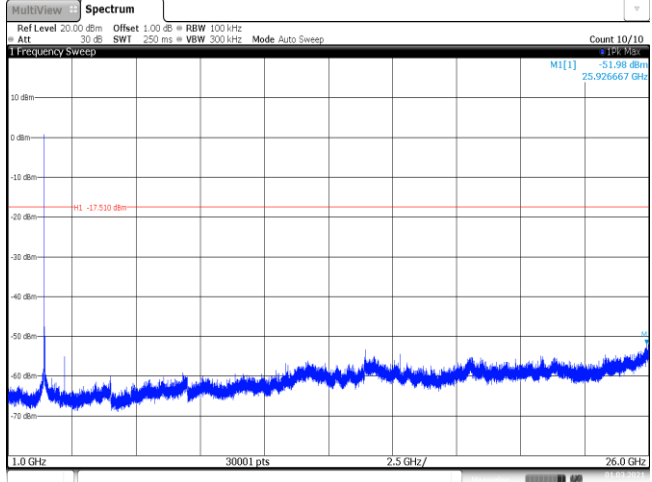
Appendix E: Duty cycle

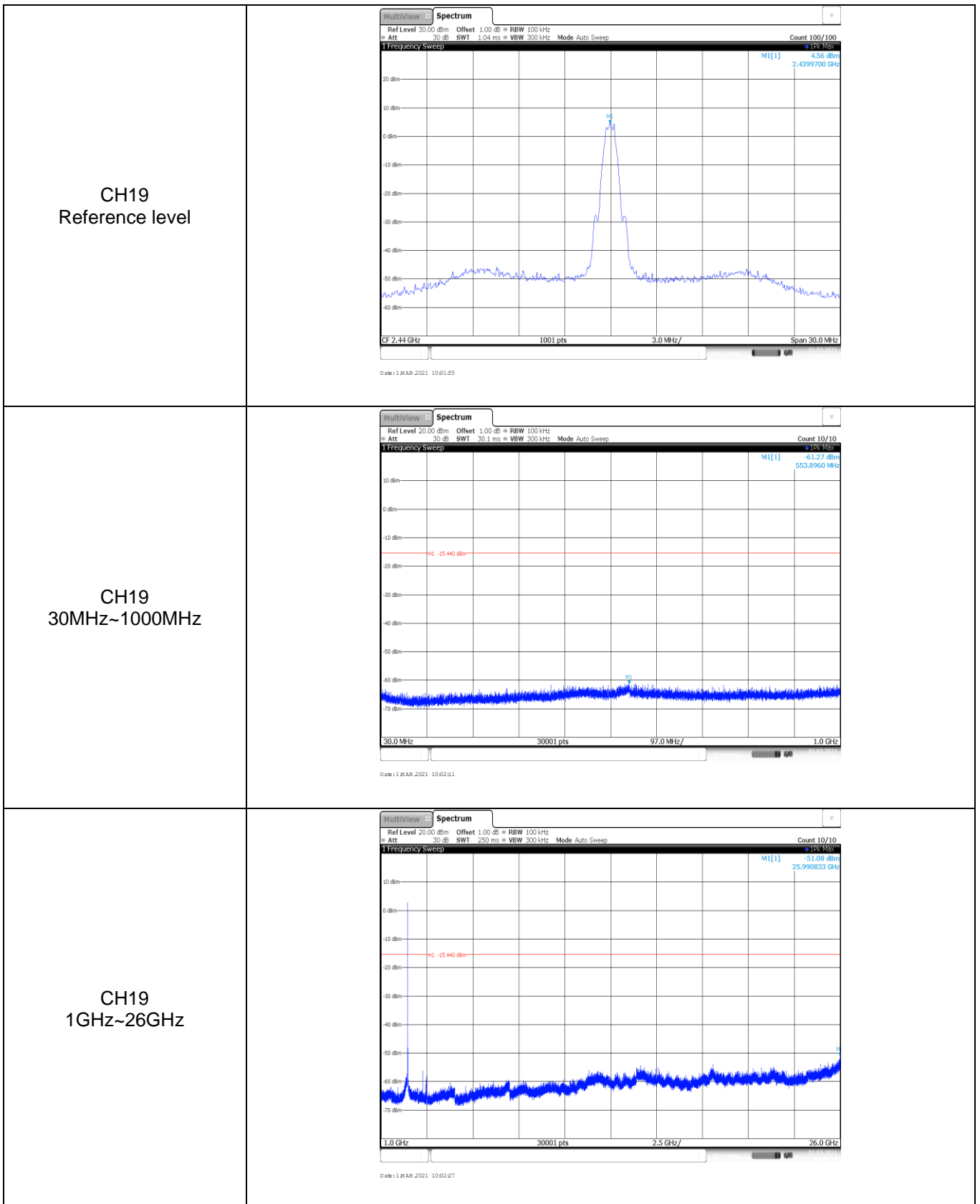
Test Frequency (MHz)	T _{on} time for single burst (ms)	T _{period} (ms)	Duty cycle	1/T _{on} time (kHz)
2440	2.08	2.49	83.5%	0.5

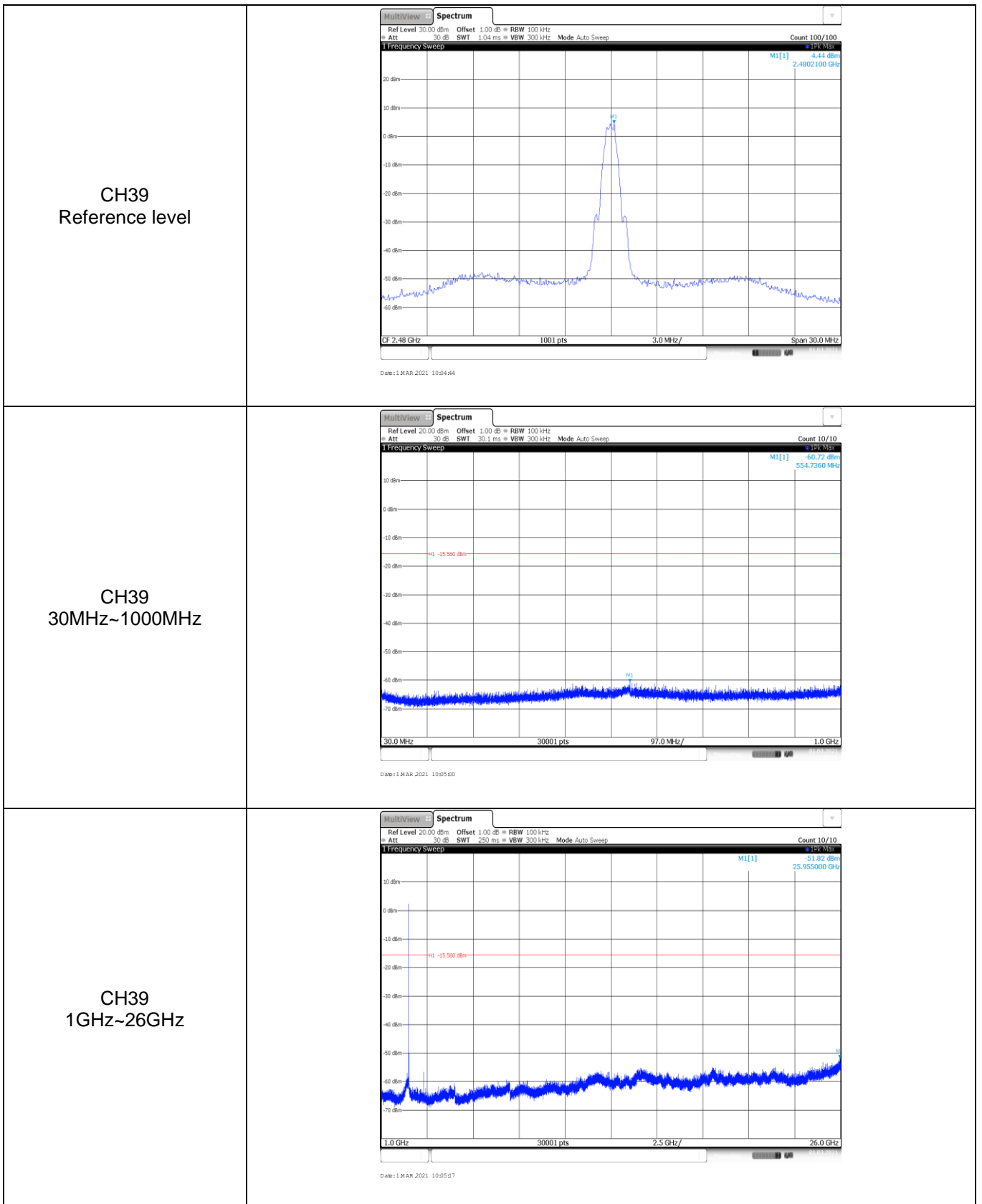


Appendix F: Band edge and Spurious Emissions (conducted)

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>2.401916 GHz</td> <td>2.33 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-48.67 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-53.16 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-63.40 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.392935 GHz</td> <td>-44.56 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 1 MAR 2021 09:58:20</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.401916 GHz	2.33 dBm			M2	1		2.4 GHz	-48.67 dBm			M3	1		2.39 GHz	-53.16 dBm			M4	1		2.31 GHz	-63.40 dBm			M5	1		2.392935 GHz	-44.56 dBm		
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Test Item:	SE
<p>CH00 Reference level</p>	 <p>Date: 1 MAR 2021 09:56:27</p>
<p>CH00 30MHz~1000MHz</p>	 <p>Date: 1 MAR 2021 09:58:43</p>
<p>CH00 1GHz~26GHz</p>	 <p>Date: 1 MAR 2021 09:58:59</p>





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