

APPENDIX REPORT

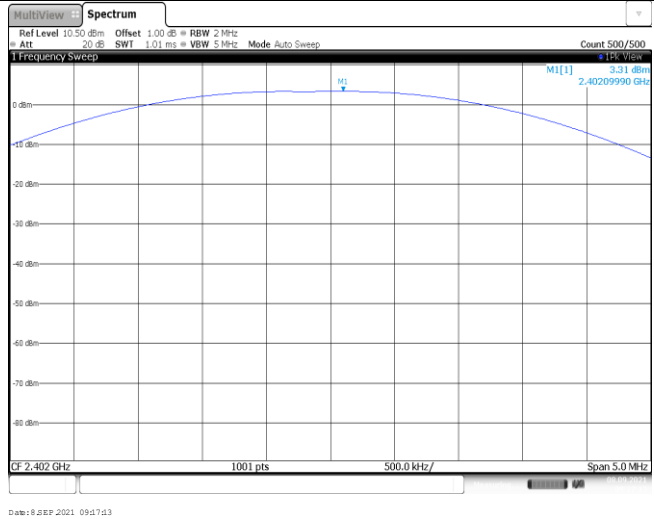
Project No.	SHT2108043802EW	Radio Specification	Bluetooth BLE
Test sample No.	YPHT21080438003	Model No.	VS16340
Start test date	2021-09-08	Finish date	2021-09-08
Temperature	27.1℃	Humidity	48%
Test Engineer	Xiaoqin Li	Auditor	Xiaodong Zhao

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

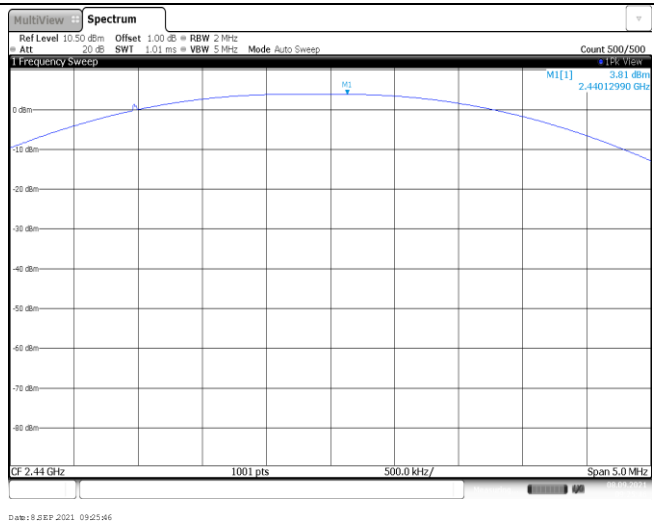
Appendix A: Peak Output Power

Type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
BT-BLE	00	3.31	3.26	≤ 30.00	Pass
	19	3.81	3.74		
	39	3.49	3.44		

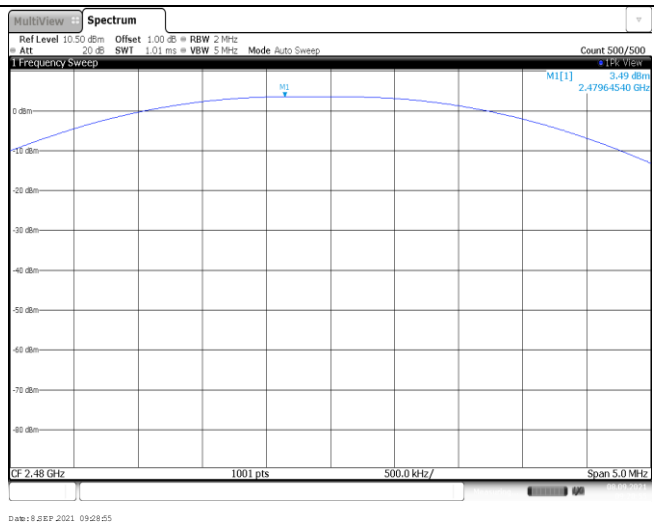
CH00



CH19



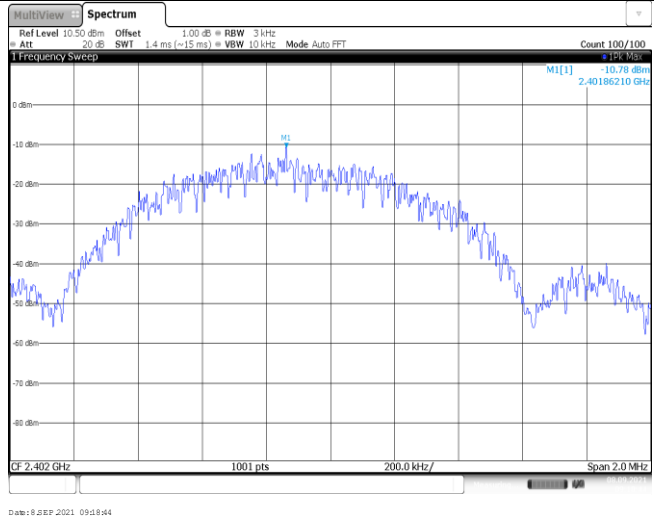
CH39



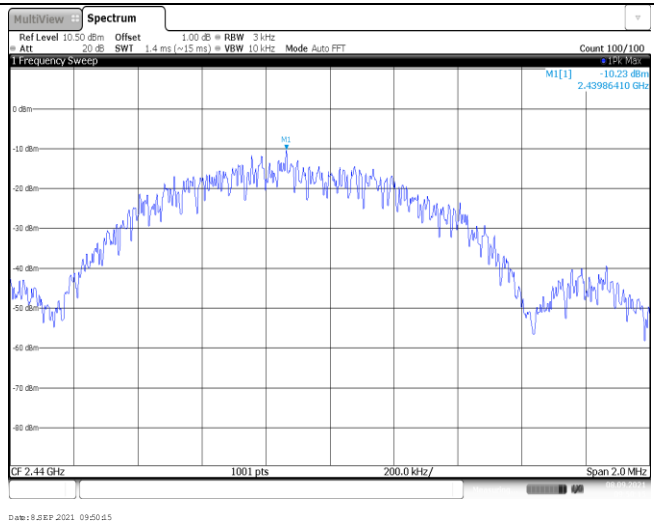
Appendix B: Power Spectral Density

Type	Channel	Power Spectral Density(dBm/3KHz)	Limit (dBm/3KHz)	Result
BT-BLE	00	-10.78	≤8.00	Pass
	19	-10.23		
	39	-10.65		

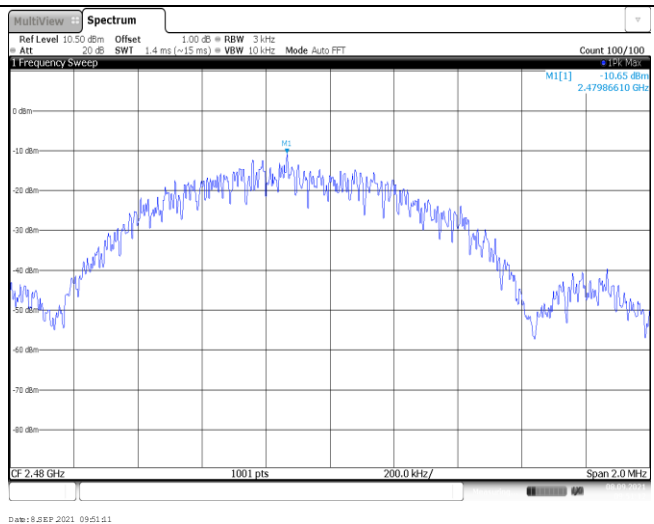
CH00



CH19



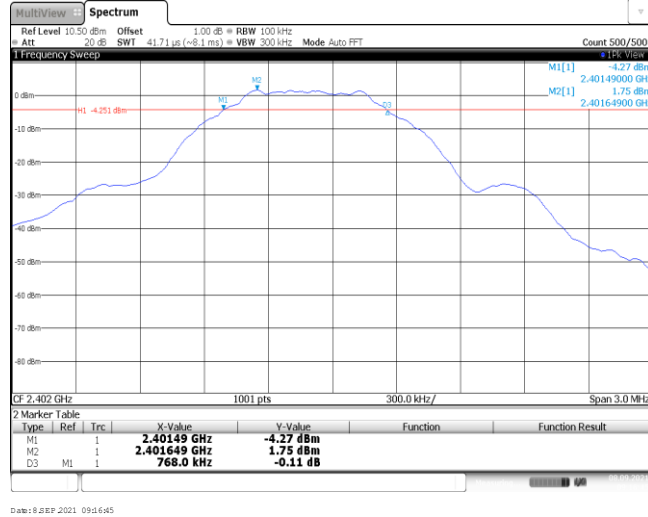
CH39



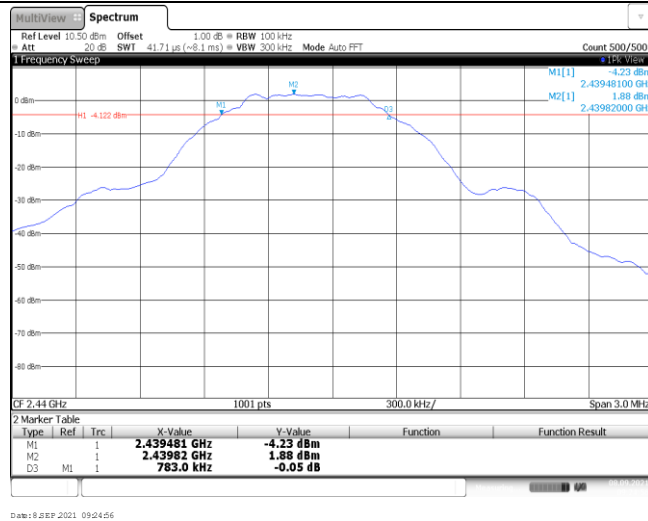
Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth(kHz)	Limit (kHz)	Result
BT-BLE	00	768.00	≥500	Pass
	19	783.00		
	39	765.00		

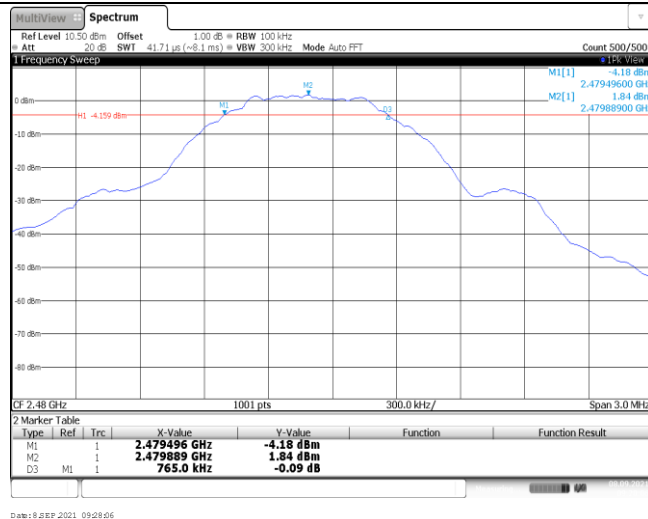
CH00



CH19



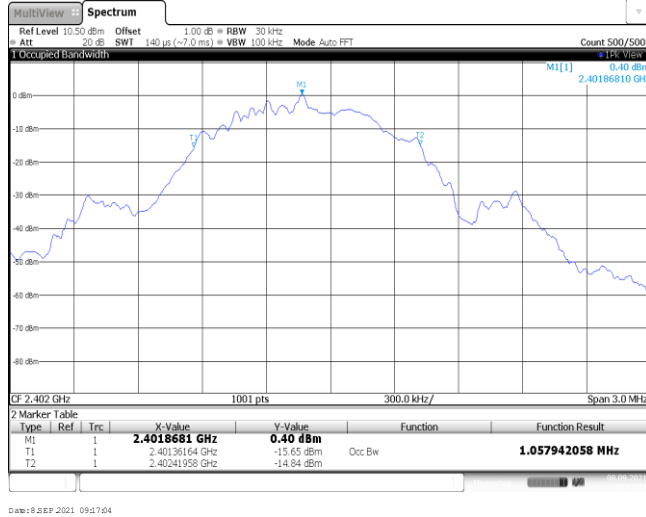
CH39



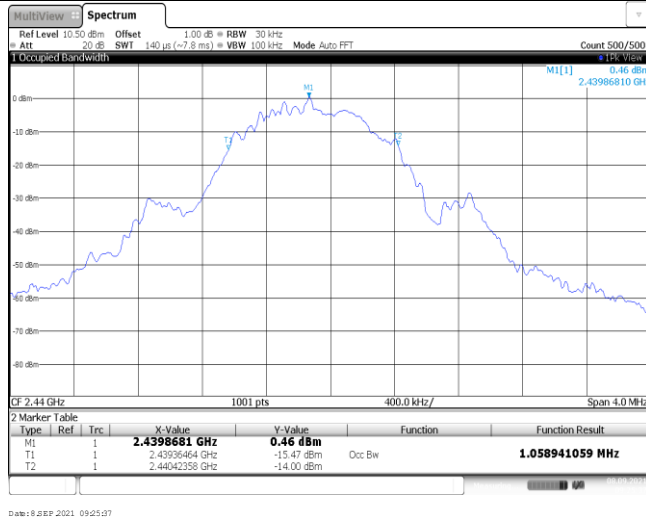
Appendix D: 99% Occupied Bandwidth

Type	Channel	99% Occupied Bandwidth(MHz)	Limit (kHz)	Result
BT-BLE	00	1.06	-	Pass
	19	1.06		
	39	1.07		

CH00



CH19

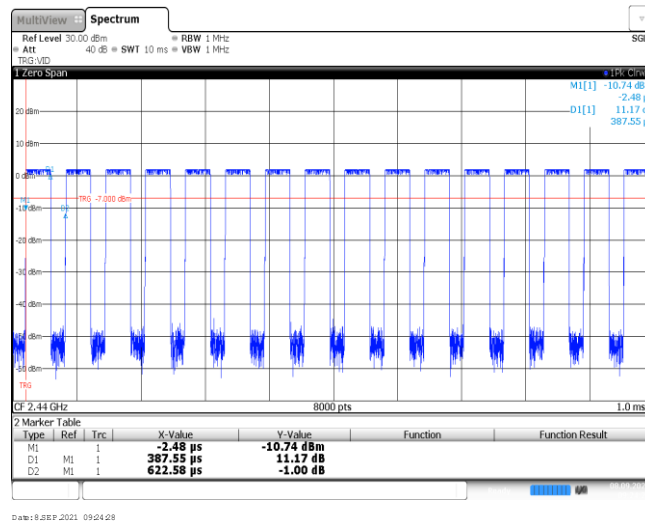


CH39

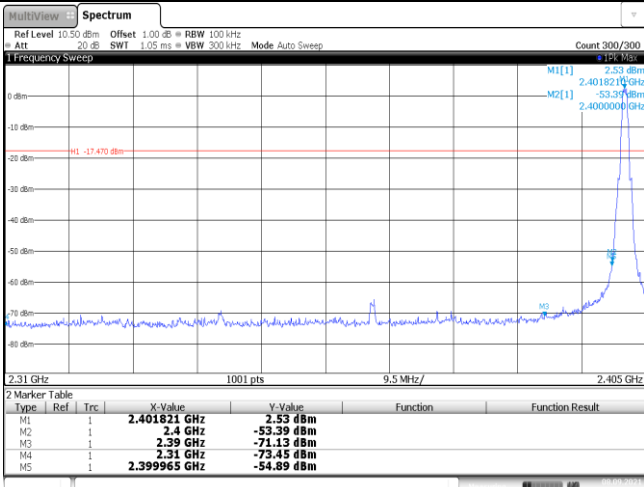
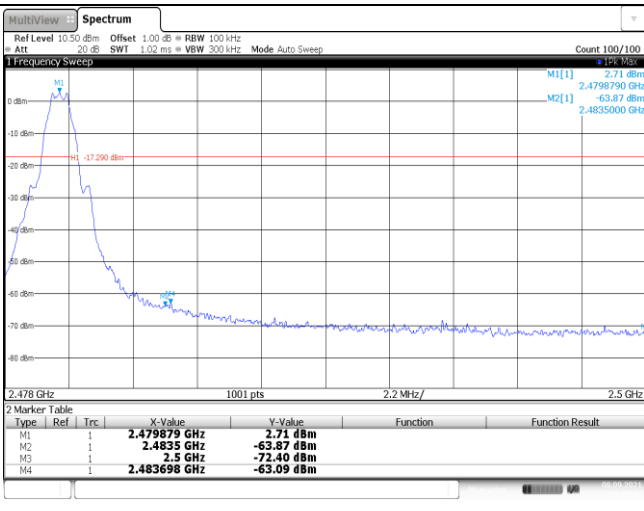


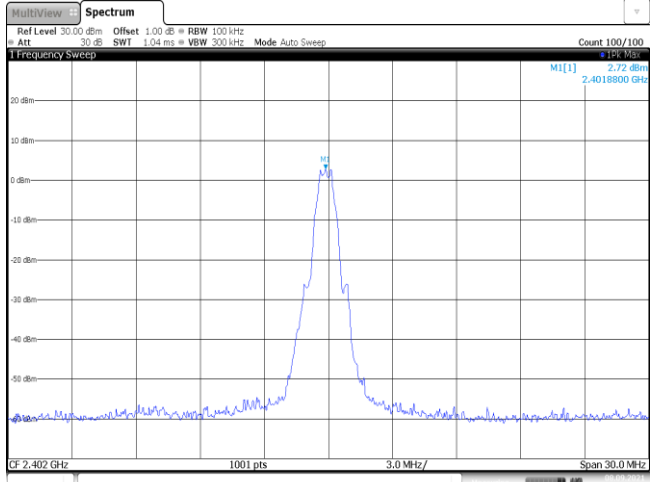
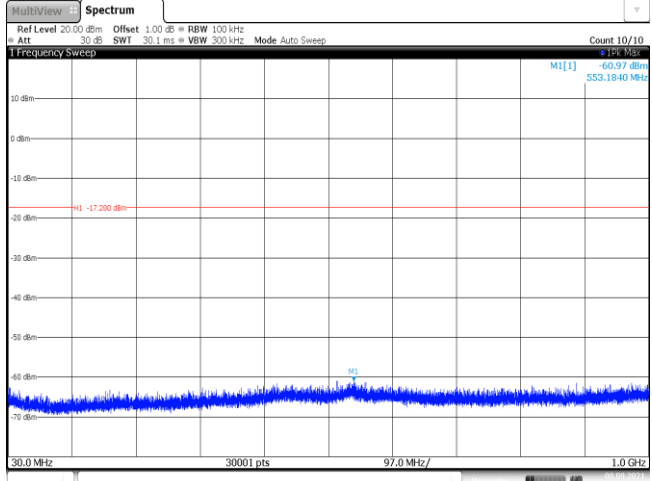
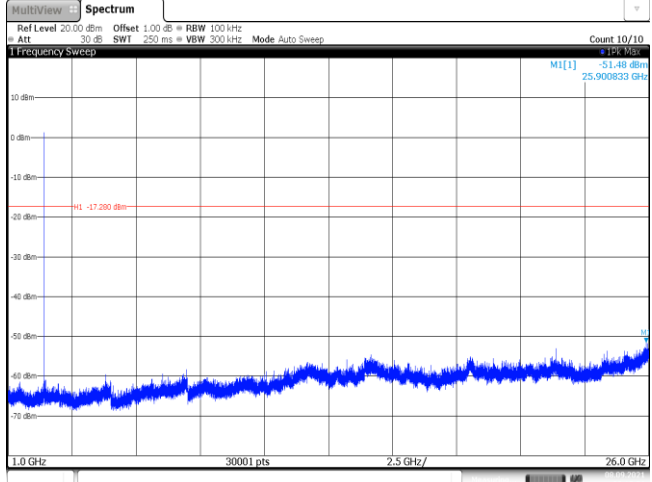
Appendix E: Duty cycle

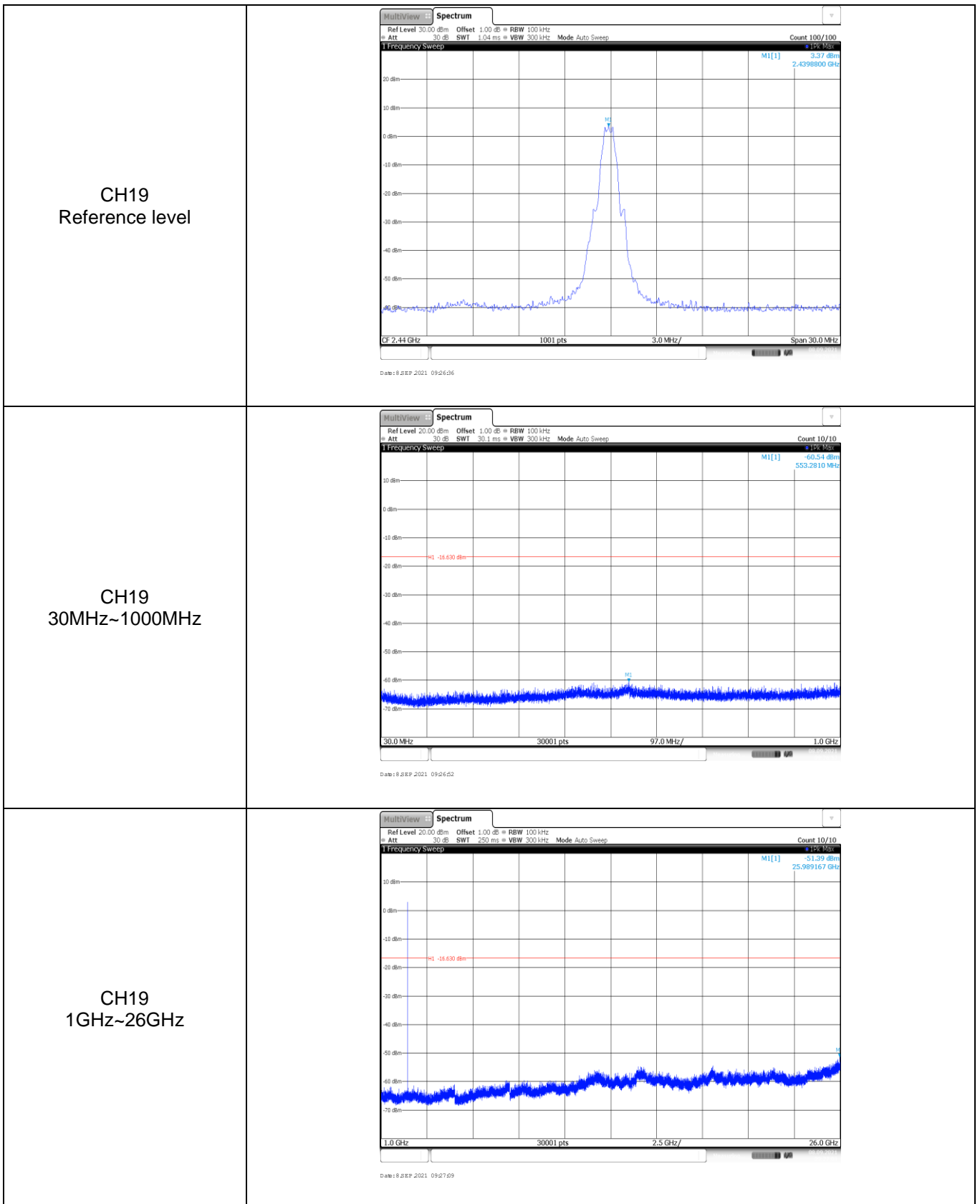
Test Frequency (MHz)	T _{on} time for single burst (ms)	T _{period} (ms)	Duty cycle	1/T _{on} time (kHz)
2440	0.39	0.62	62.9%	2.6

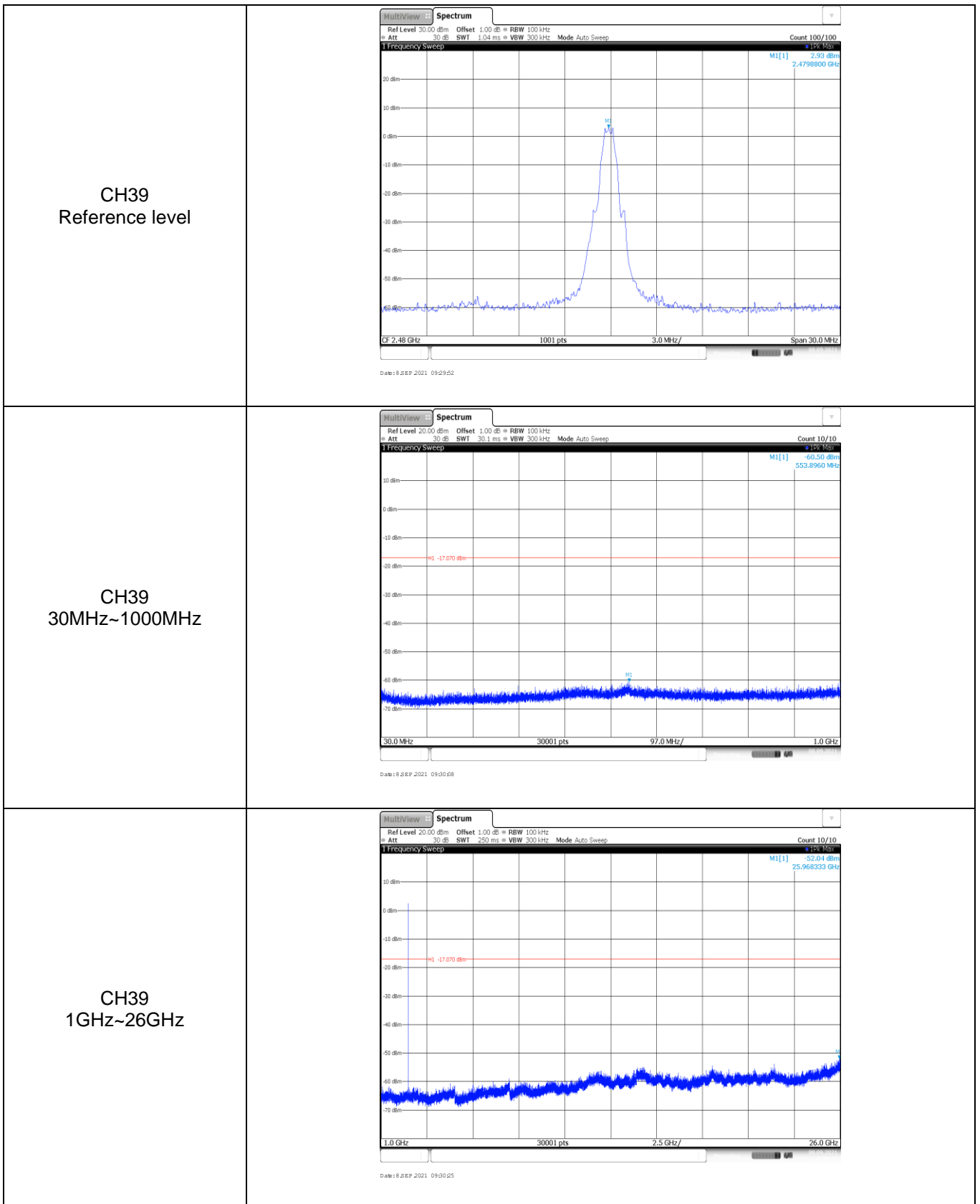


Appendix F: Band edge and Spurious Emissions (conducted)

Test Item:	Band edge																																										
<p style="text-align: center;">CH00</p>	 <table border="1" data-bbox="686 660 1332 761"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.401821 GHz</td> <td>-2.53 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-53.39 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-71.13 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-73.45 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399965 GHz</td> <td>-54.89 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p style="font-size: small;">Date: 8 SEP 2021 09:18:54</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.401821 GHz	-2.53 dBm			M2	1		2.4 GHz	-53.39 dBm			M3	1		2.39 GHz	-71.13 dBm			M4	1		2.31 GHz	-73.45 dBm			M5	1		2.399965 GHz	-54.89 dBm		
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Test Item:	SE
<p>CH00 Reference level</p>	 <p>Date: 8 SEP 2021 09:19:03</p>
<p>CH00 30MHz~1000MHz</p>	 <p>Date: 8 SEP 2021 09:19:20</p>
<p>CH00 1GHz~26GHz</p>	 <p>Date: 8 SEP 2021 09:19:36</p>





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