

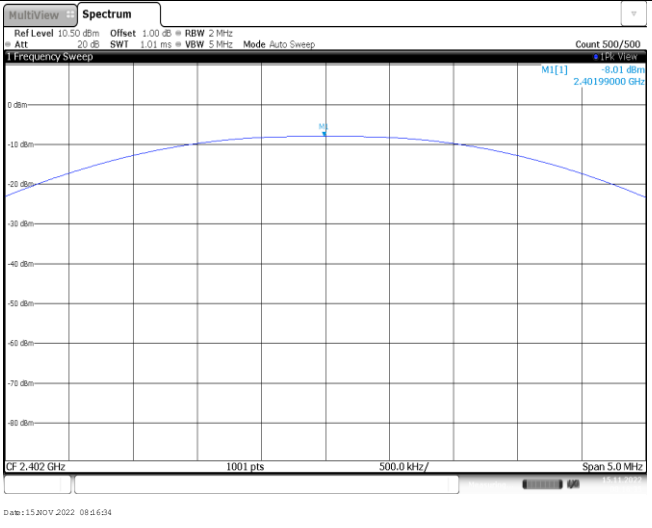
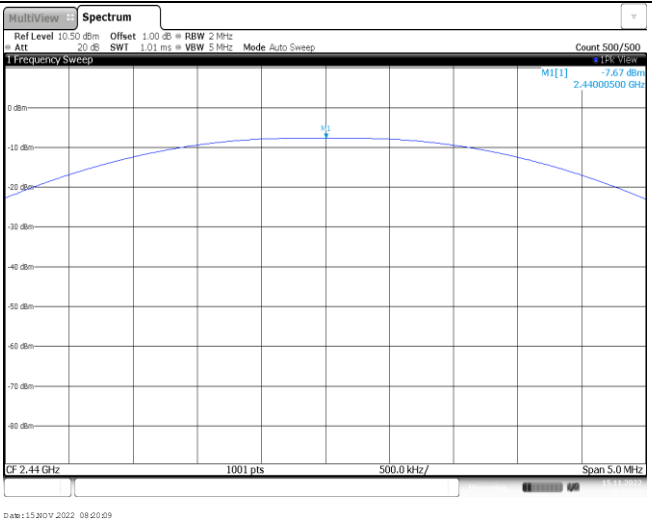
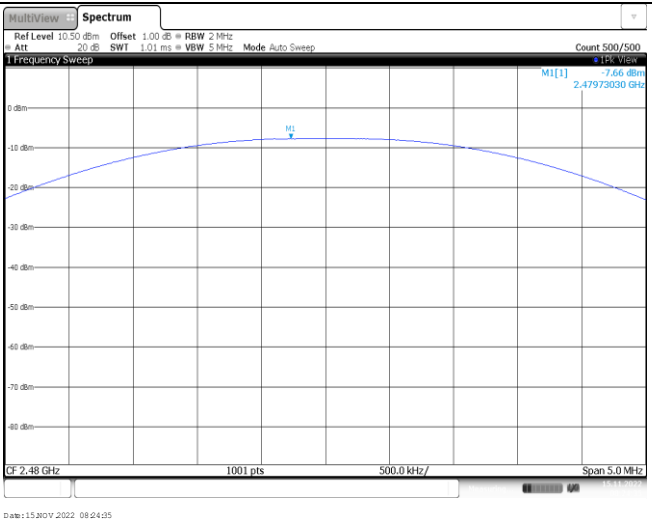
APPENDIX REPORT

Project No.	SHT2210112901EW	Radio Specification	Bluetooth BLE
Test sample No.	YPHT22101129001	Model No.	Stark 8
Start test date	2022-11-15	Finish date	2022-11-15
Temperature	25.6°C	Humidity	35%
Test Engineer	Xiaoxiao Li	Auditor	Xiaodong Zhe

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

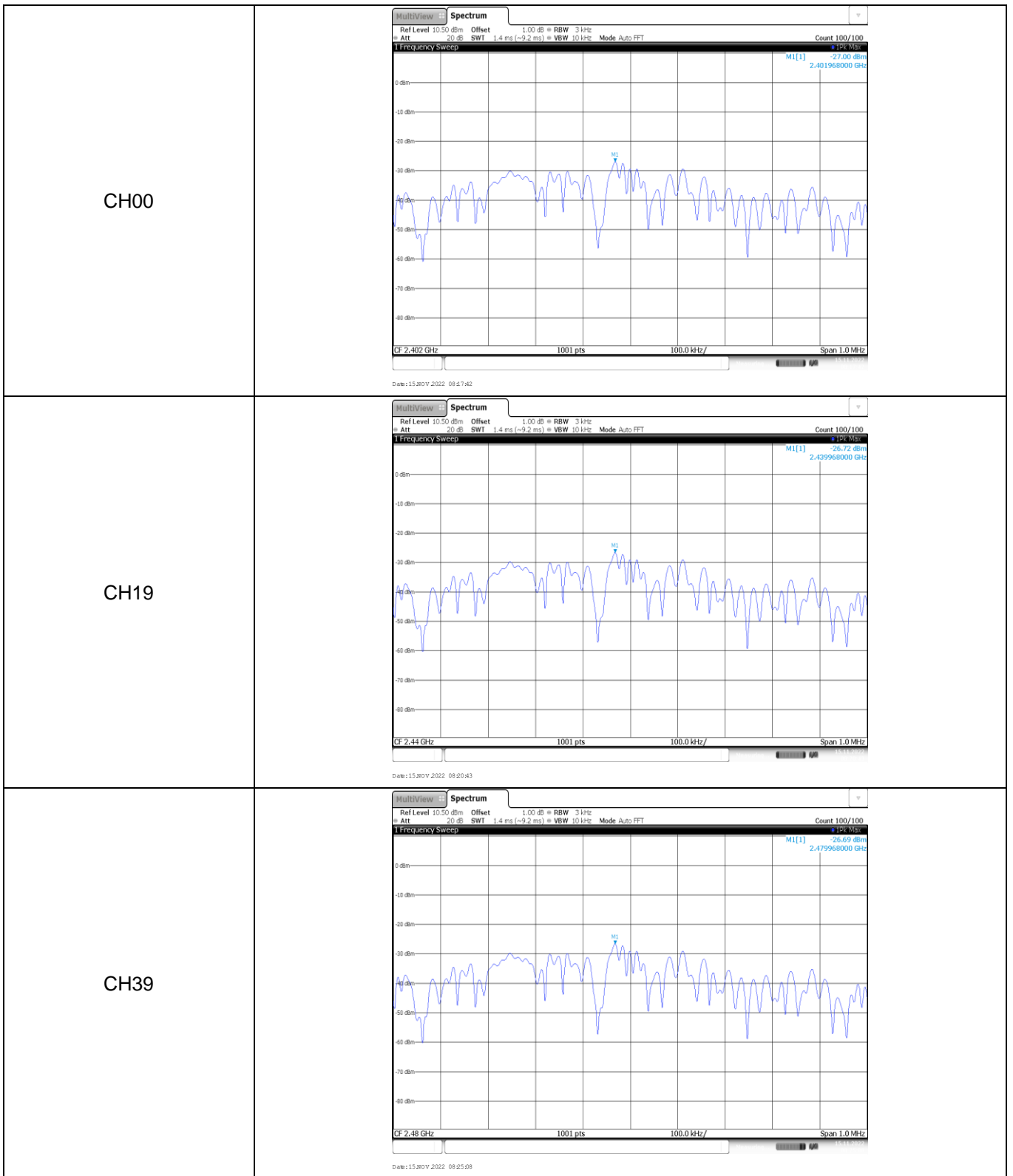
Appendix A: Peak Output Power

Type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
BT-BLE	00	-8.01	-8.13	≤ 30.00	Pass
	19	-7.67	-7.78		
	39	-7.66	-7.85		

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

Appendix B: Power Spectral Density

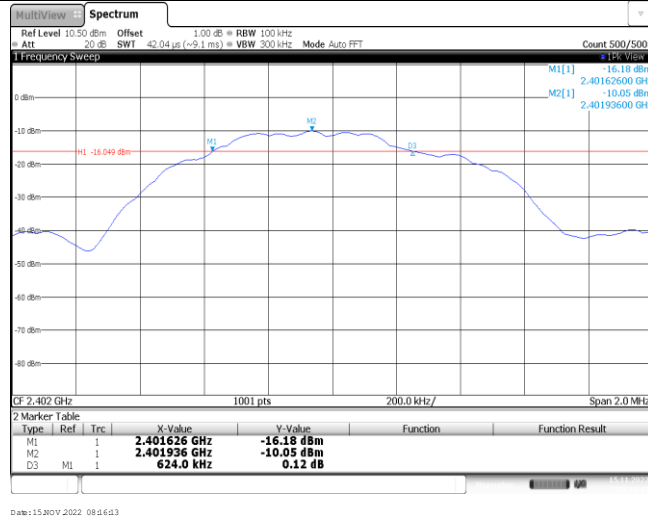
Type	Channel	Power Spectral Density(dBm/3KHz)	Limit (dBm/3KHz)	Result
BT-BLE	00	-27.00	≤8.00	Pass
	19	-26.72		
	39	-26.69		



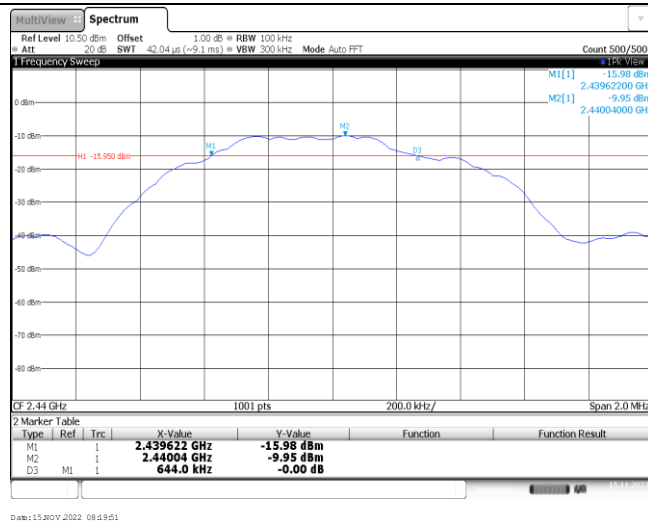
Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth(kHz)	Limit (kHz)	Result
BT-BLE	00	624.00	≥500	Pass
	19	644.00		
	39	618.00		

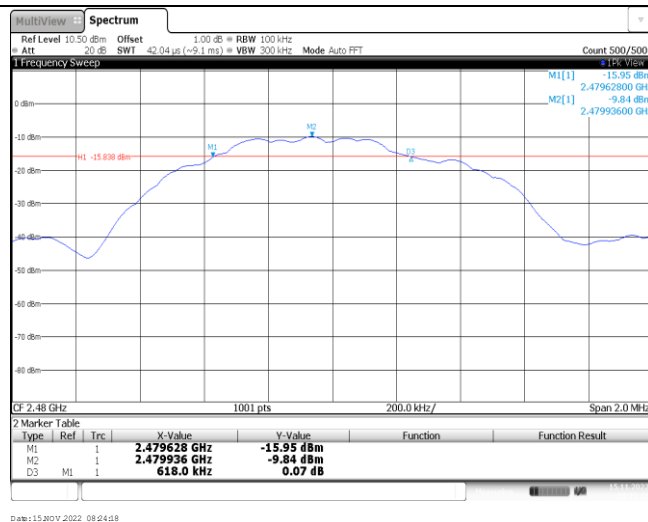
CH00



CH19



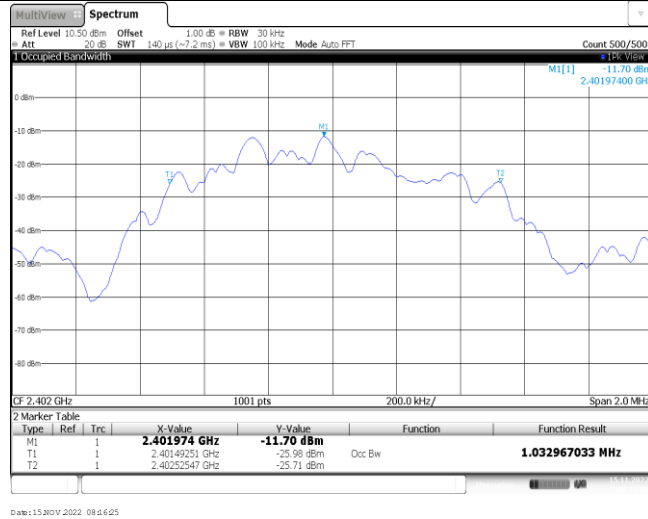
CH39



Appendix D: 99% Occupied Bandwidth

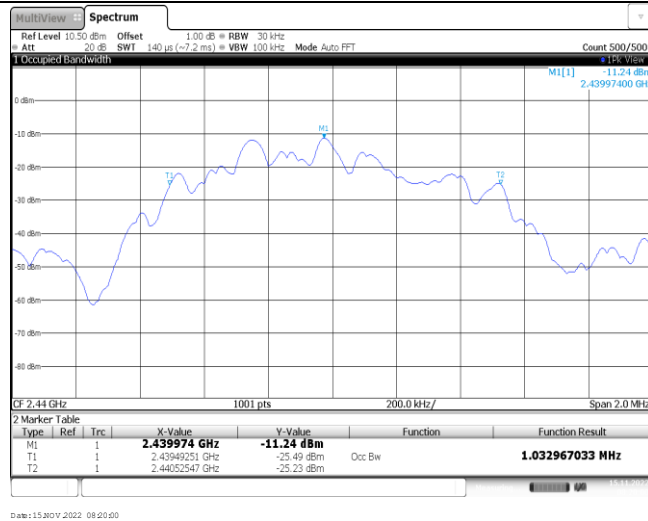
Type	Channel	99% Occupied Bandwidth(MHz)	Limit (kHz)	Result
BT-BLE	00	1.03	-	Pass
	19	1.03		
	39	1.03		

CH00



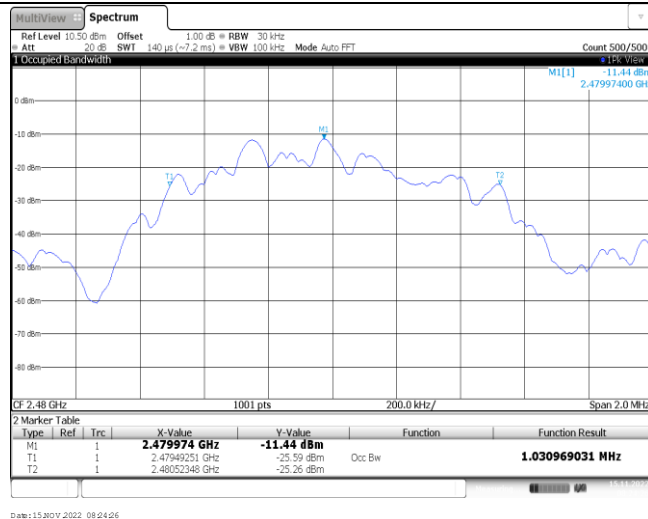
Date: 15/NOV/2022 08:16:25

CH19



Date: 15/NOV/2022 08:20:50

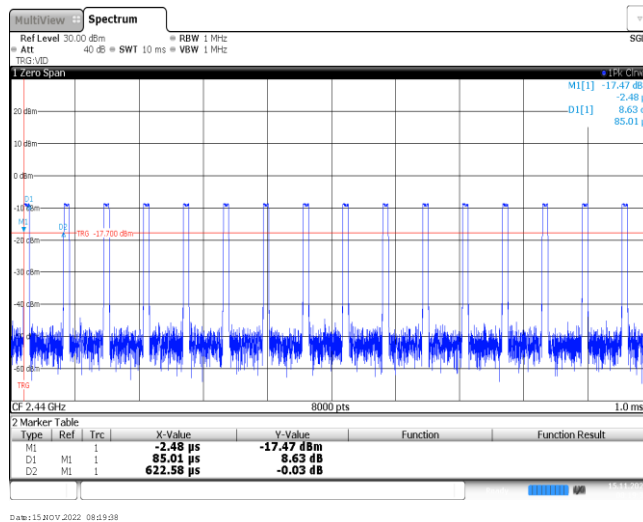
CH39



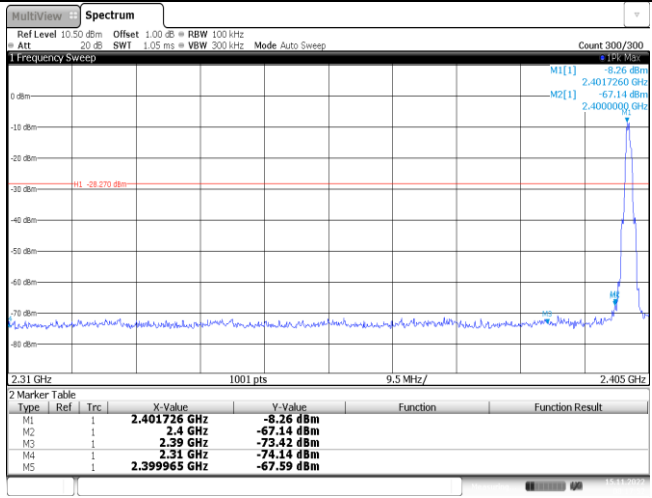
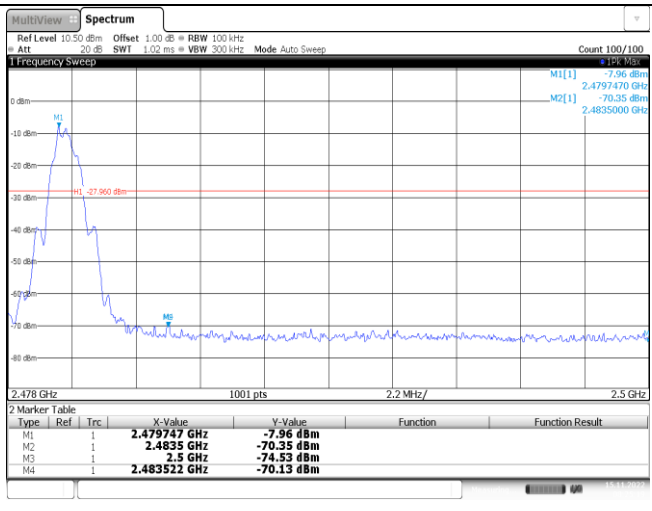
Date: 15/NOV/2022 08:24:26

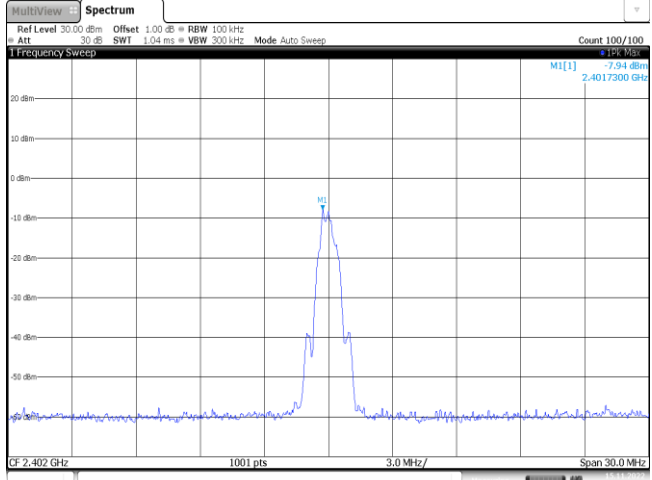
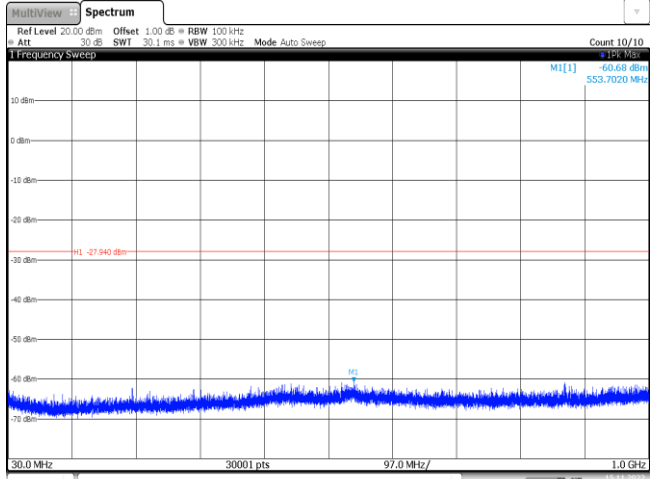
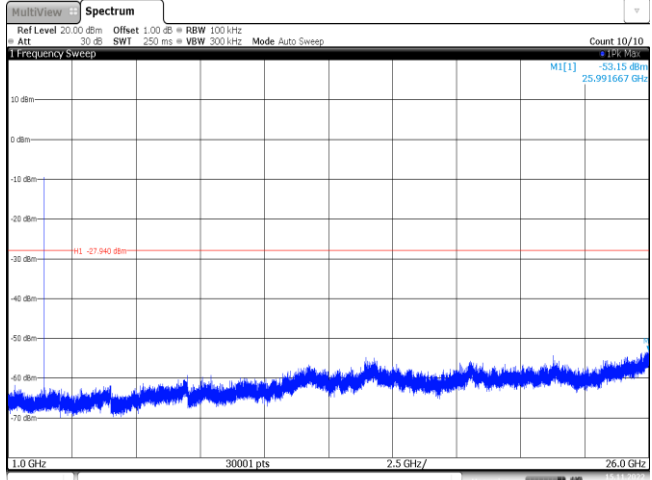
Appendix E: Duty cycle

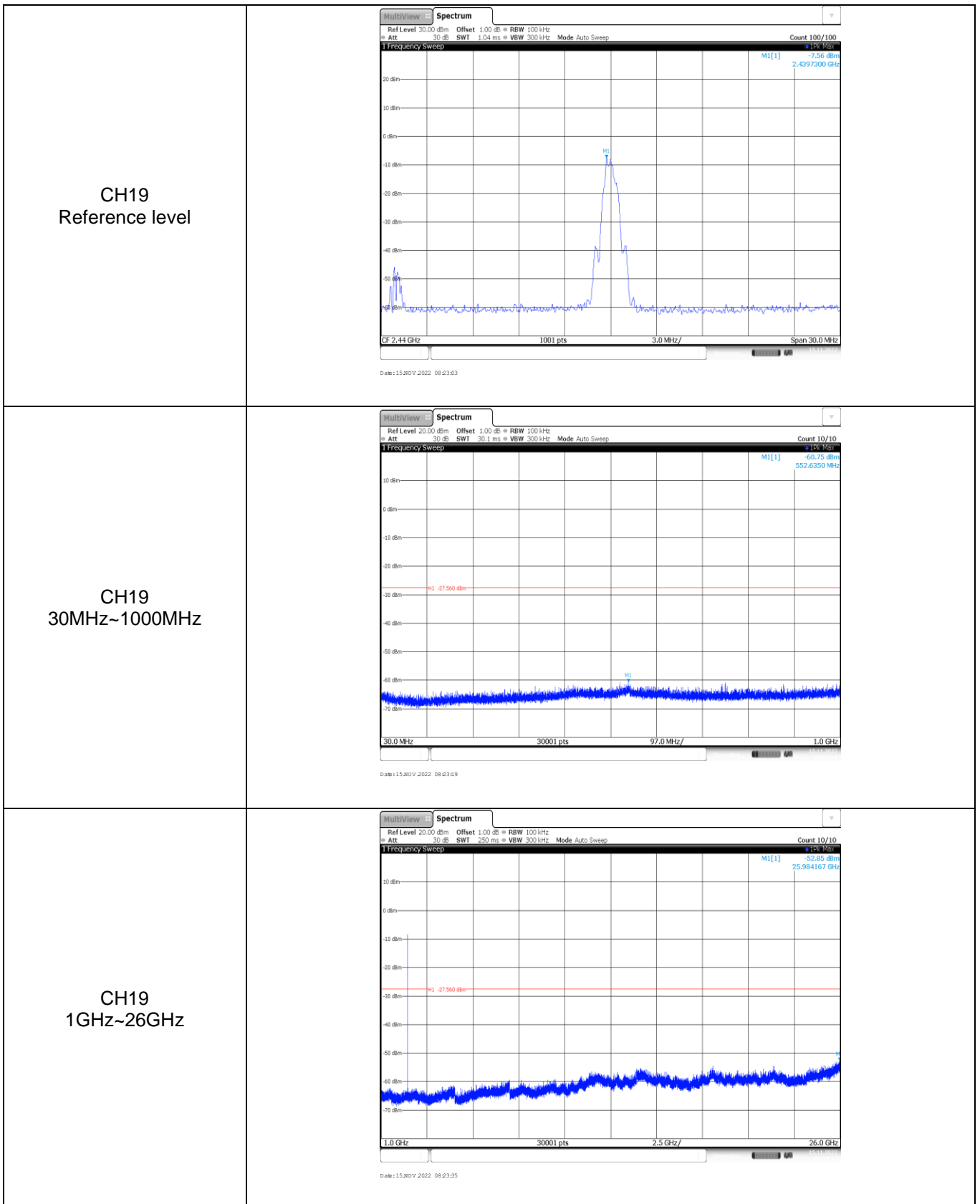
Test Frequency (MHz)	T _{on} time for single burst (ms)	T _{period} (ms)	Duty cycle	1/T _{on} time (kHz)
2440	0.09	0.62	14.5%	11.1

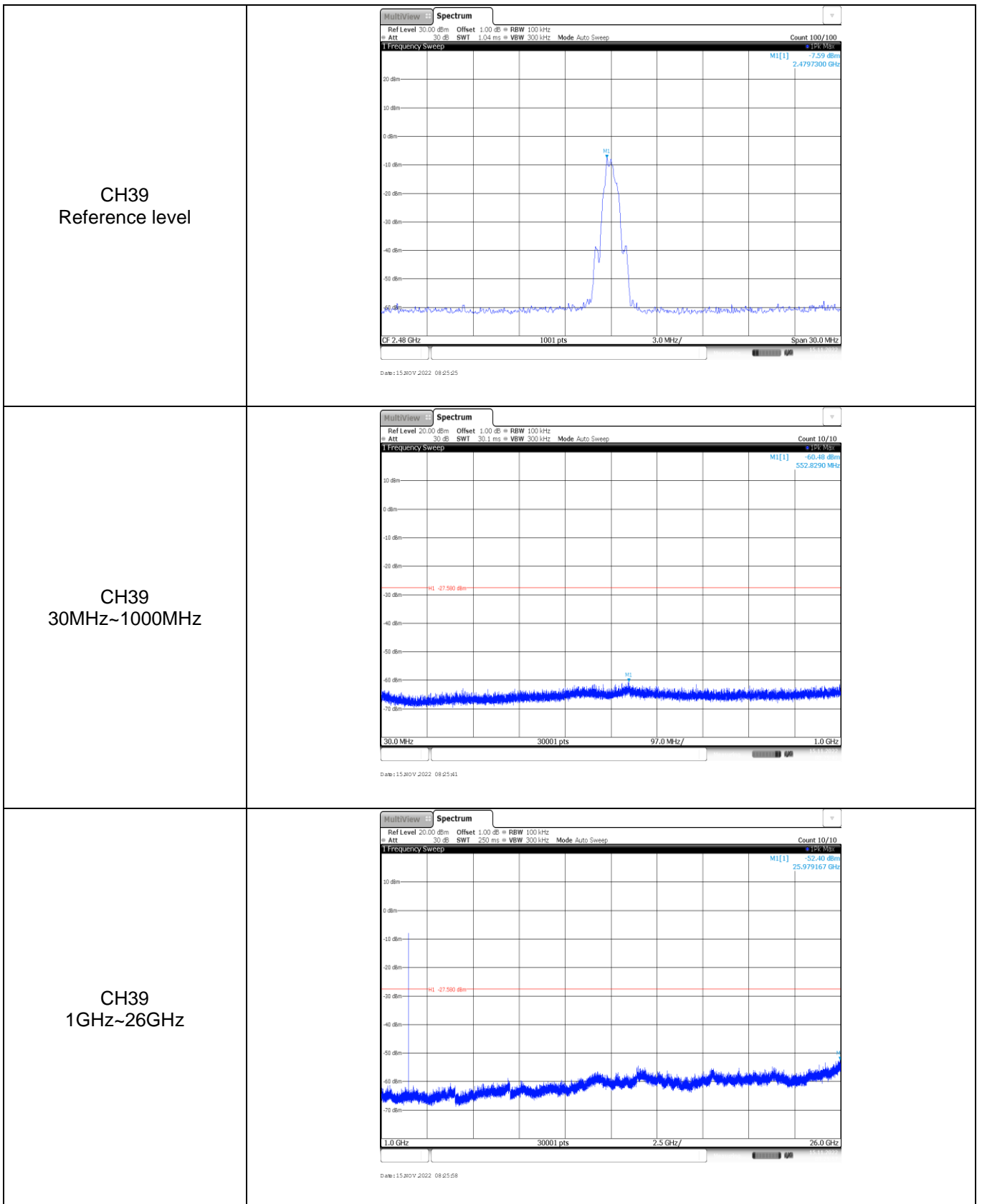


Appendix F: Band edge and Spurious Emissions (conducted)

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>-8.26 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-67.14 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-73.42 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-74.14 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399965 GHz</td> <td>-67.59 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 15 NOV 2022 08:17:52</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.401726 GHz	-8.26 dBm			M2	1		2.4 GHz	-67.14 dBm			M3	1		2.39 GHz	-73.42 dBm			M4	1		2.31 GHz	-74.14 dBm			M5	1		2.399965 GHz	-67.59 dBm		
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M4	1		2.483522 GHz	-70.13 dBm																																							

Test Item:	SE
<p>CH00 Reference level</p>	 <p>Ref Level 30.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 M1[1] -7.94 dBm 2.4017300 GHz CF 2.402 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 15 NOV 2022 08:18:21</p>
<p>CH00 30MHz~1000MHz</p>	 <p>Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -60.68 dBm 553.7020 MHz M1 -27.94 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 15 NOV 2022 08:18:16</p>
<p>CH00 1GHz~26GHz</p>	 <p>Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -53.15 dBm 25.991667 GHz M1 -27.94 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 15 NOV 2022 08:18:52</p>





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