

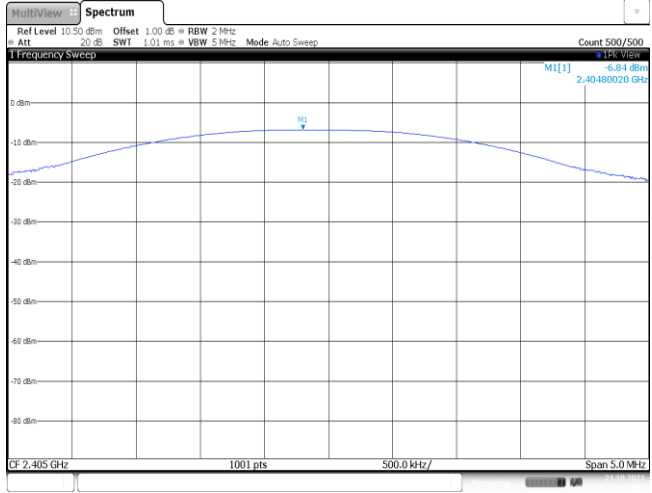
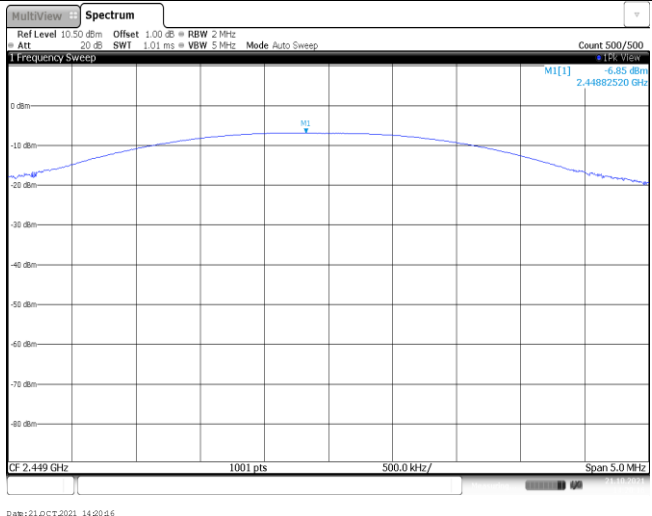
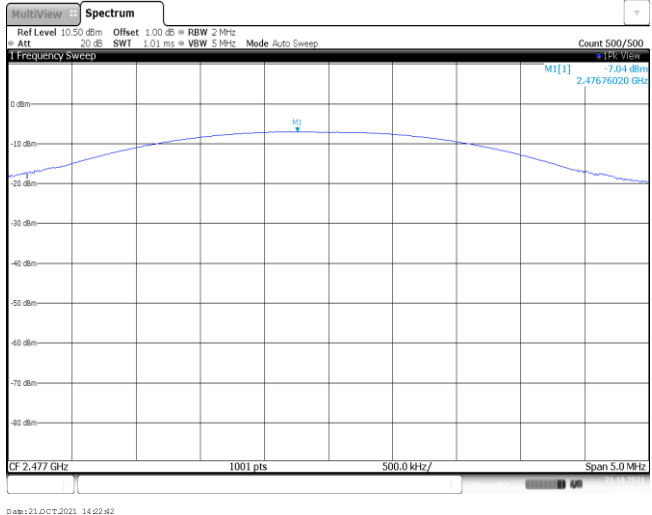
APPENDIX REPORT

Project No.	SHT2109034503EW	Radio Specification	2.4GHz Device
Test sample No.	YPHT21090345005	Model No.	85810(5785-W)-Controller
Start test date	2021-10-21	Finish date	2021-10-21
Temperature	25.2℃	Humidity	31%
Test Engineer	Xiaoqin 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

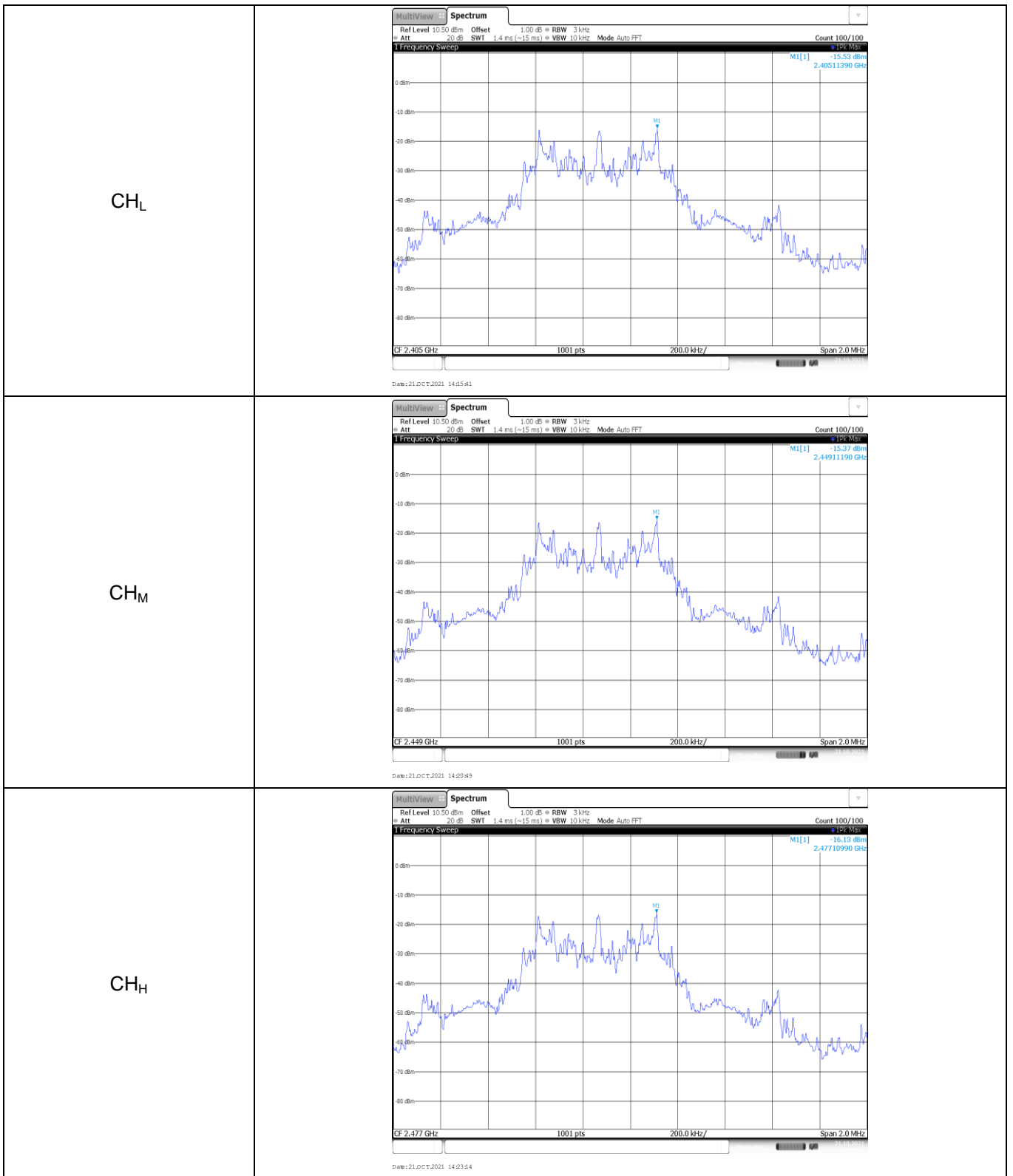
Appendix A: Peak Output Power

Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
CH _L	-6.84	-7.01	≤ 30.00	Pass
CH _M	-6.85	-7.04		
CH _H	-7.04	-7.22		

<p>CH_L</p>	 <p>Ref Level 10.50 dBm Offset 1.00 dB RBW 2 MHz Att 20 dB SWI 1.01 ms VBW 5.0kHz Mode Auto Sweep Count 500/500 M1[1] -6.84 dBm 2.40480020 GHz CF 2.405 GHz 1001 pts 500.0 kHz/ Span 5.0 MHz Date: 21.DCT.2021 14:45:02</p>
<p>CH_M</p>	 <p>Ref Level 10.50 dBm Offset 1.00 dB RBW 2 MHz Att 20 dB SWI 1.01 ms VBW 5.0kHz Mode Auto Sweep Count 500/500 M1[1] -6.85 dBm 2.44882520 GHz CF 2.449 GHz 1001 pts 500.0 kHz/ Span 5.0 MHz Date: 21.DCT.2021 14:40:16</p>
<p>CH_H</p>	 <p>Ref Level 10.50 dBm Offset 1.00 dB RBW 2 MHz Att 20 dB SWI 1.01 ms VBW 5.0kHz Mode Auto Sweep Count 500/500 M1[1] -7.04 dBm 2.47676020 GHz CF 2.477 GHz 1001 pts 500.0 kHz/ Span 5.0 MHz Date: 21.DCT.2021 14:42:42</p>

Appendix B: Power Spectral Density

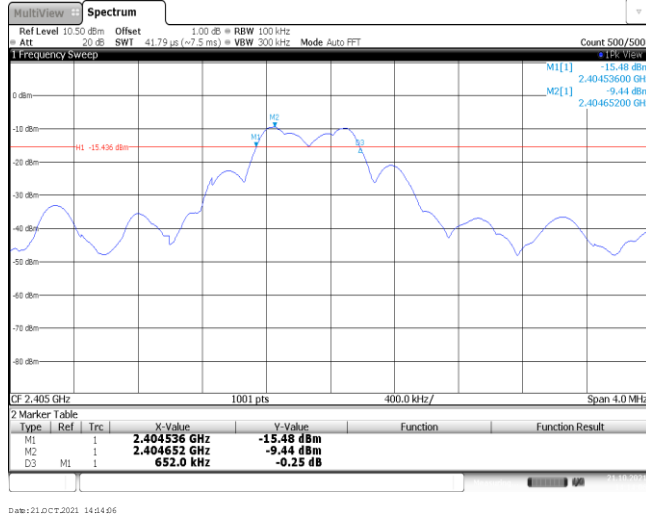
Channel	Power Spectral Density(dBm/3KHz)	Limit (dBm/3KHz)	Result
CH _L	-15.53	≤8.00	Pass
CH _M	-15.37		
CH _H	-16.13		



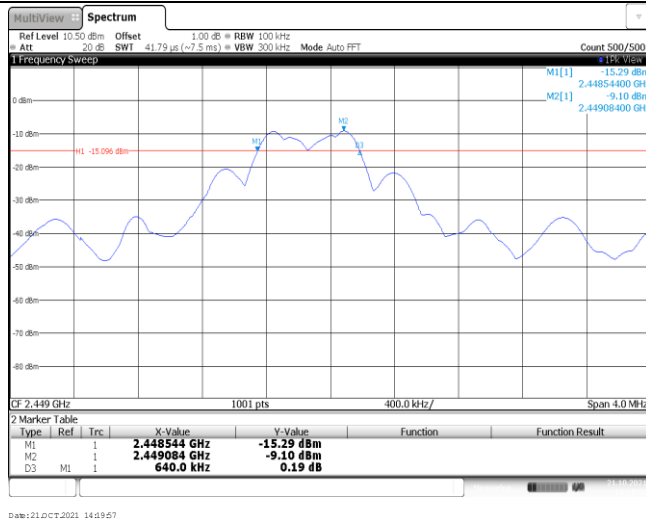
Appendix C: 6dB bandwidth

Channel	6dB Bandwidth(kHz)	Limit (kHz)	Result
CH _L	652.00	≥500	Pass
CH _M	640.00		
CH _H	648.00		

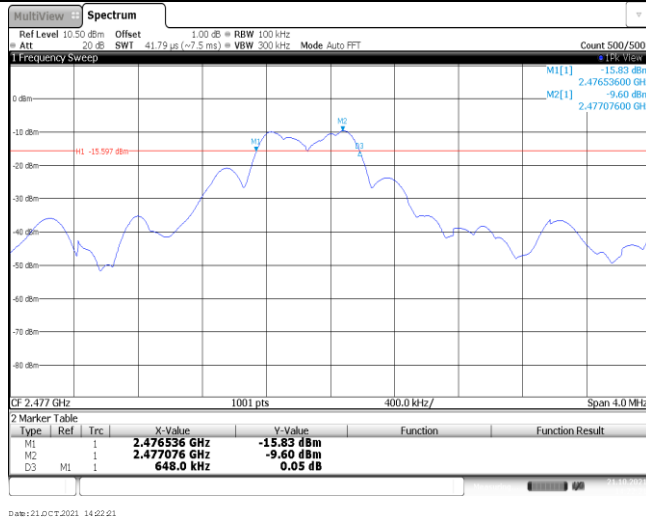
CH_L



CH_M

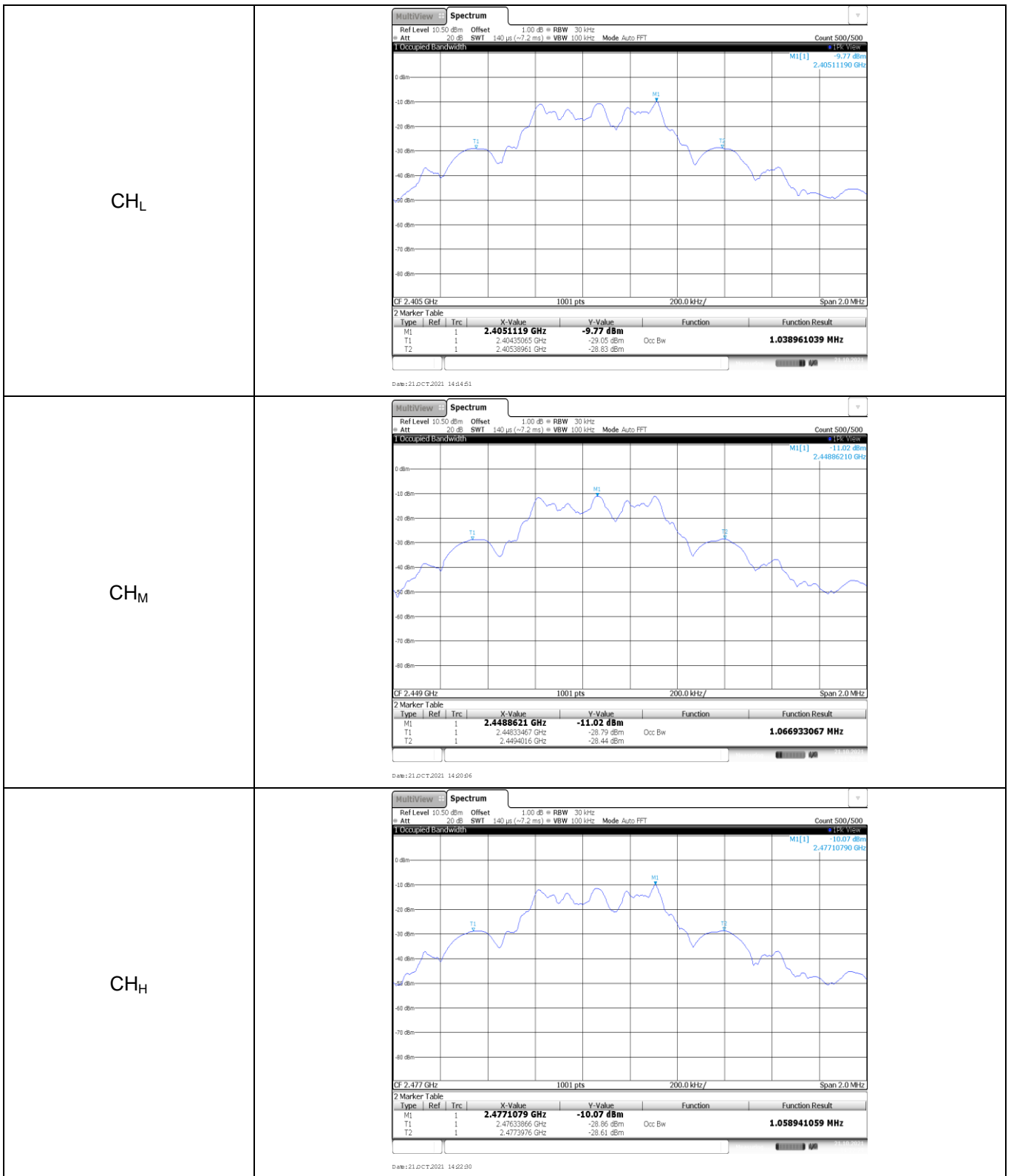


CH_H



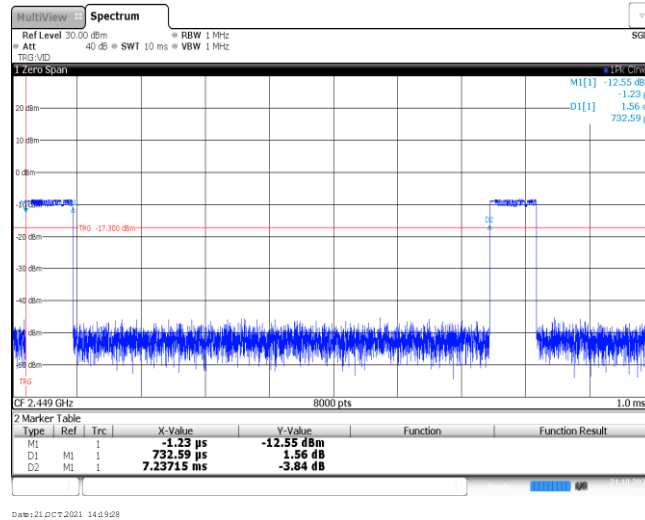
Appendix D: 99% Occupied Bandwidth

Channel	99% Occupied Bandwidth(MHz)	Limit (kHz)	Result
CH _L	1.04	-	Pass
CH _M	1.07		
CH _H	1.06		

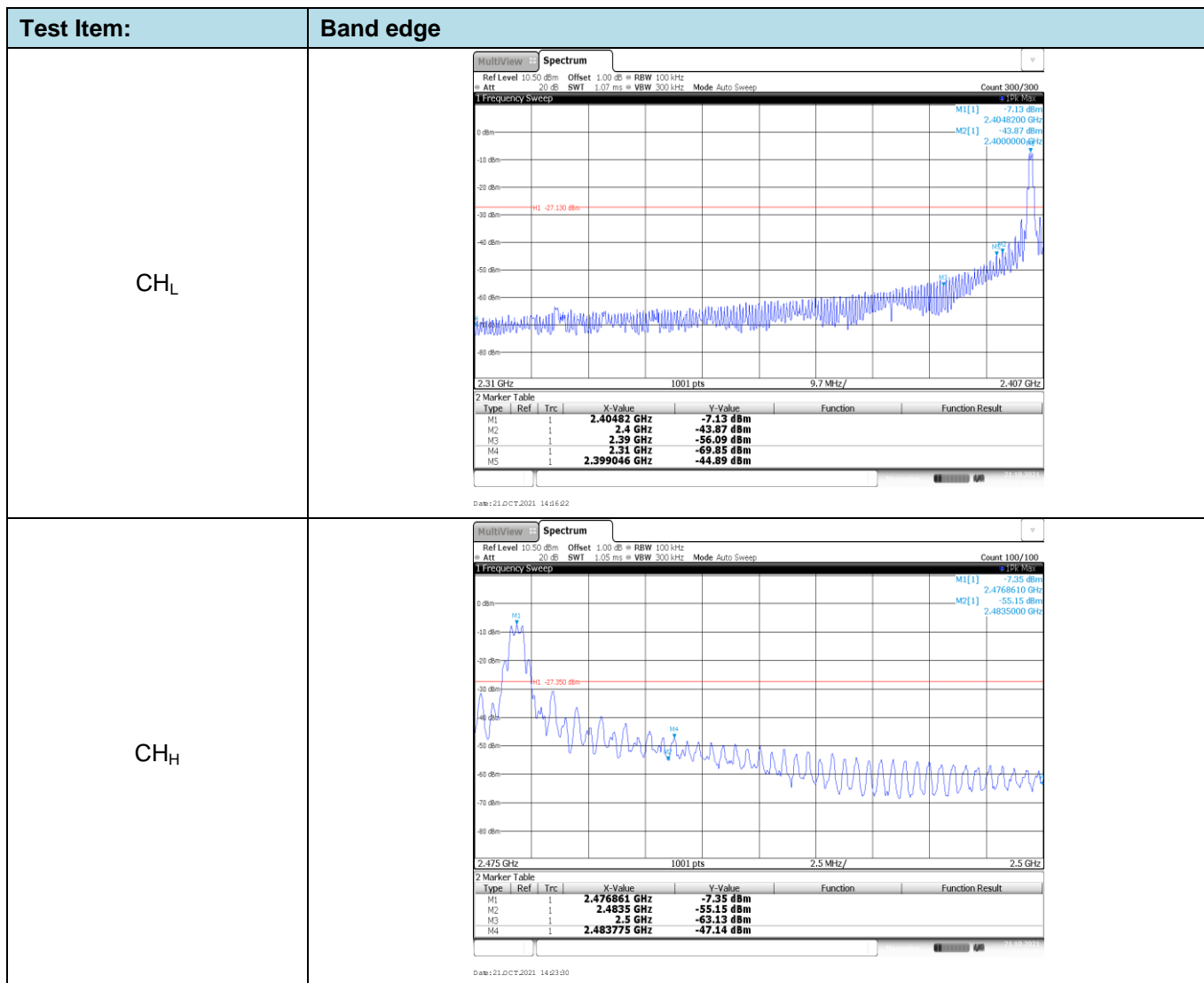


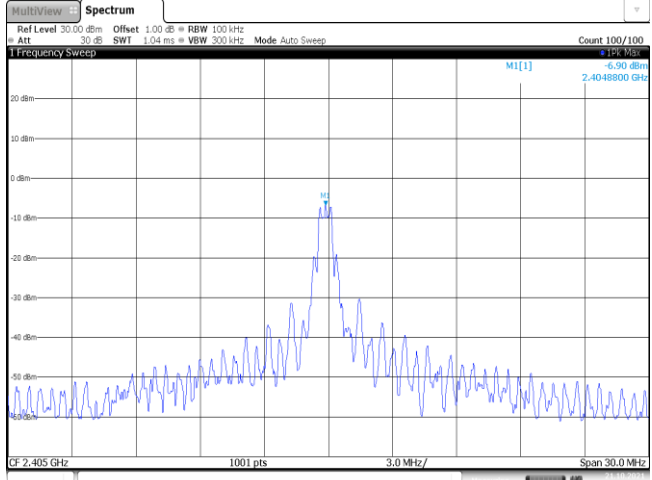
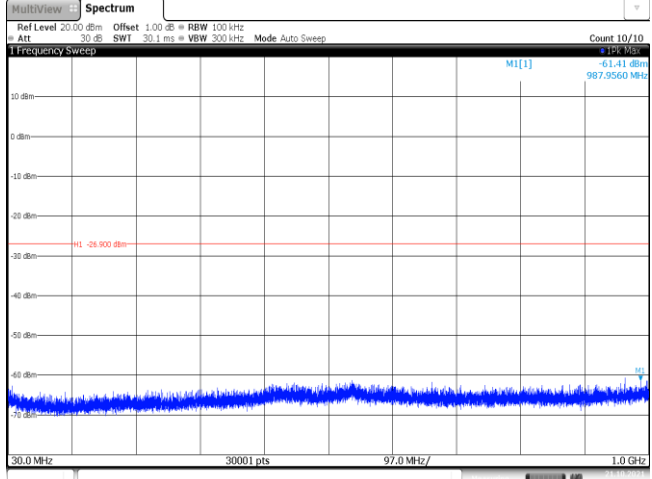
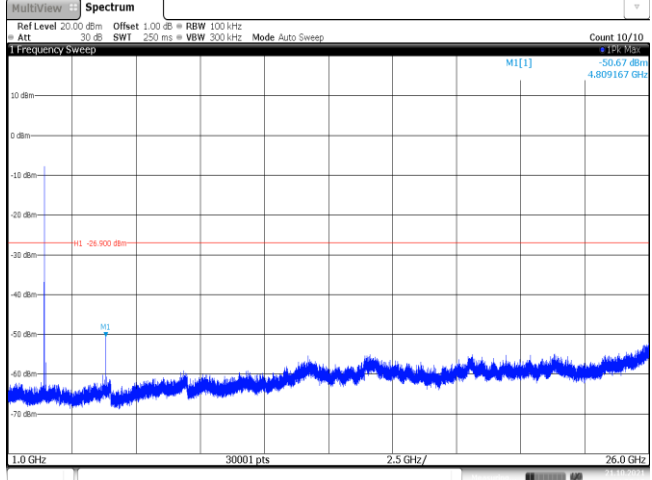
Appendix E: Duty cycle

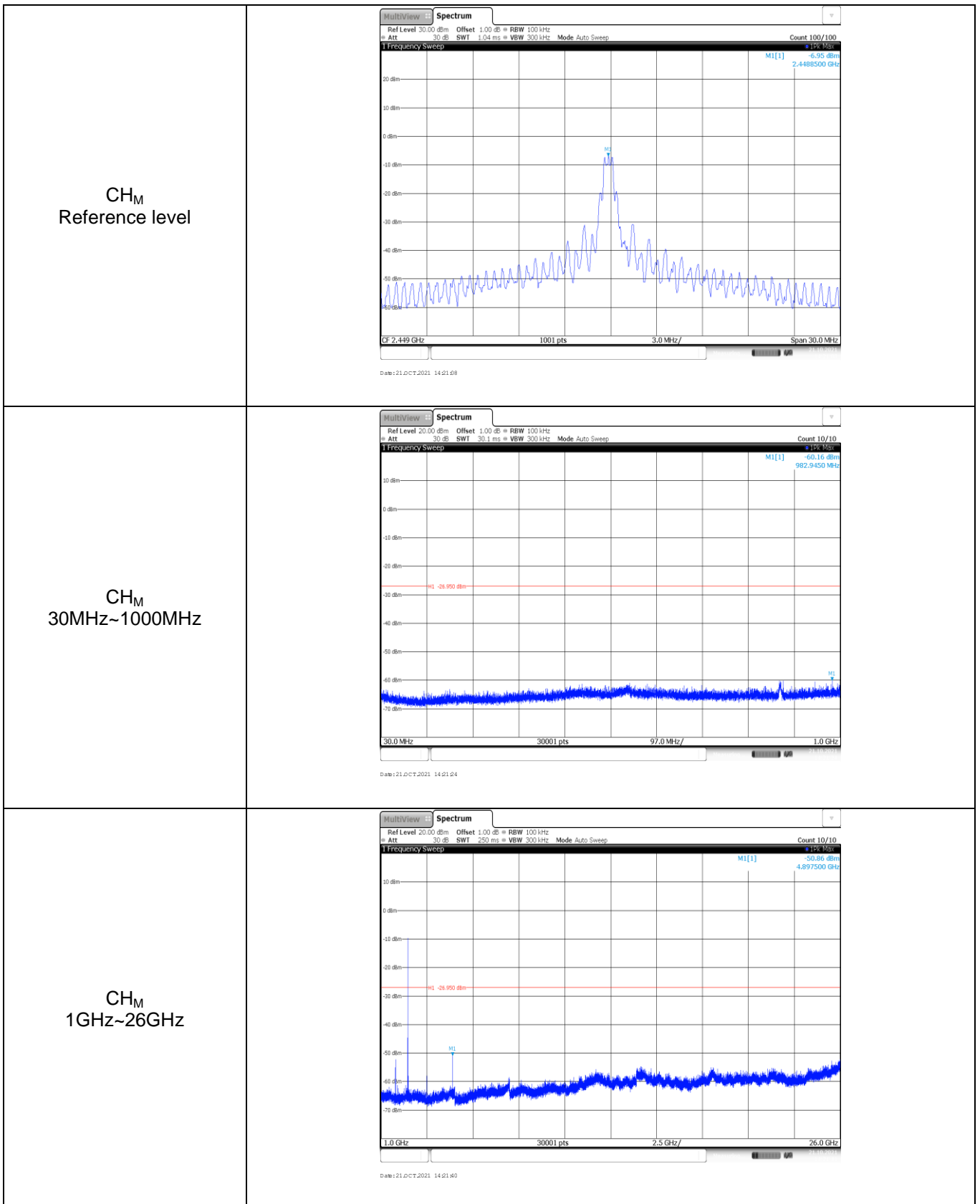
Test Frequency (MHz)	T _{on} time for single burst (ms)	T _{period} (ms)	Duty cycle	1/T _{on} time (kHz)
2449	0.73	7.24	10.1%	1.4

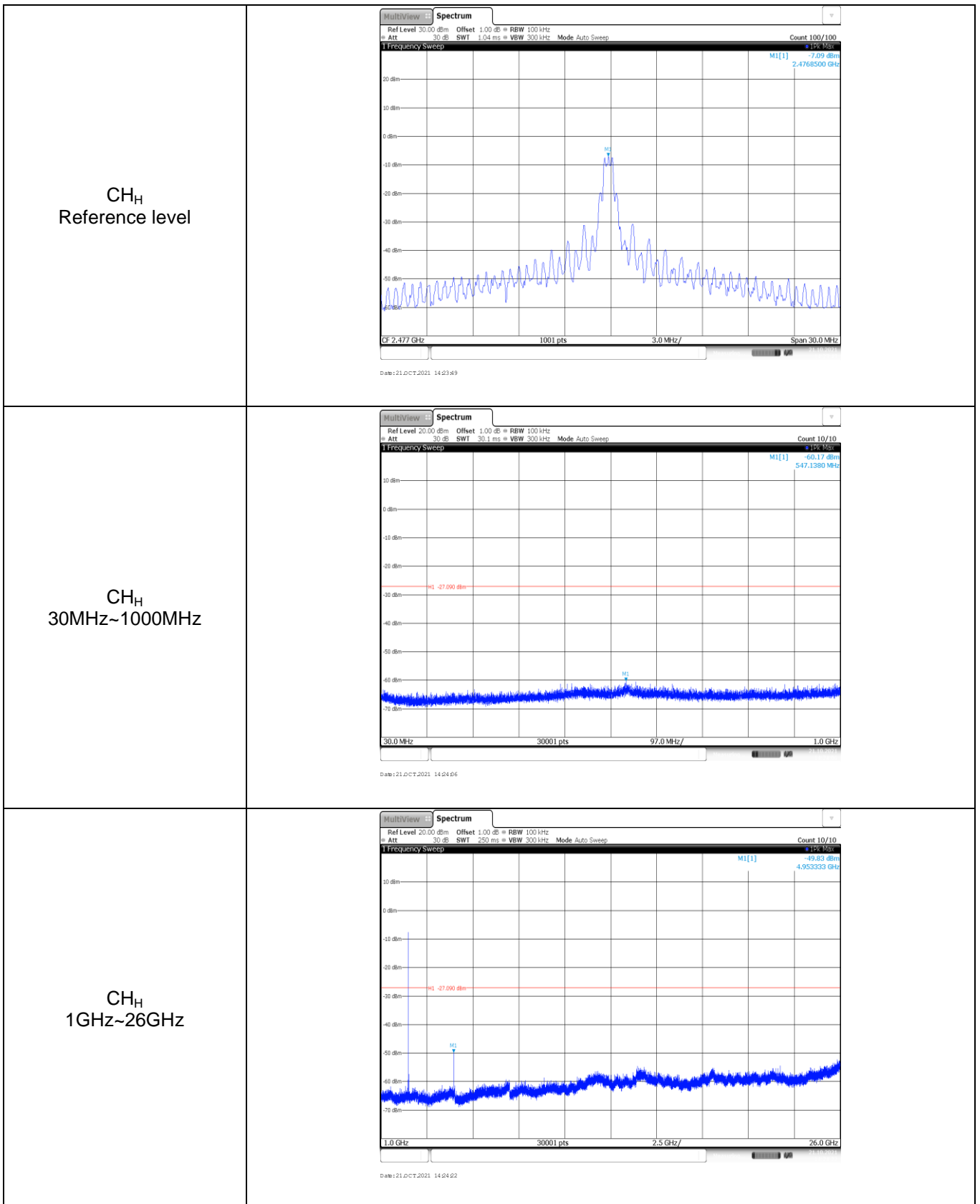


Appendix F: Band edge and Spurious Emissions (conducted)



Test Item:	SE
<p>CH_L 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] 6.90 dBm 2.4048800 GHz CF 2.405 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 21.OCT.2021 14:26:26</p>
<p>CH_L 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] -61.41 dBm 997.9560 MHz M1 -26.900 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 21.OCT.2021 14:27:01</p>
<p>CH_L 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] -50.67 dBm 4.809167 GHz M1 -26.900 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 21.OCT.2021 14:27:47</p>





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