

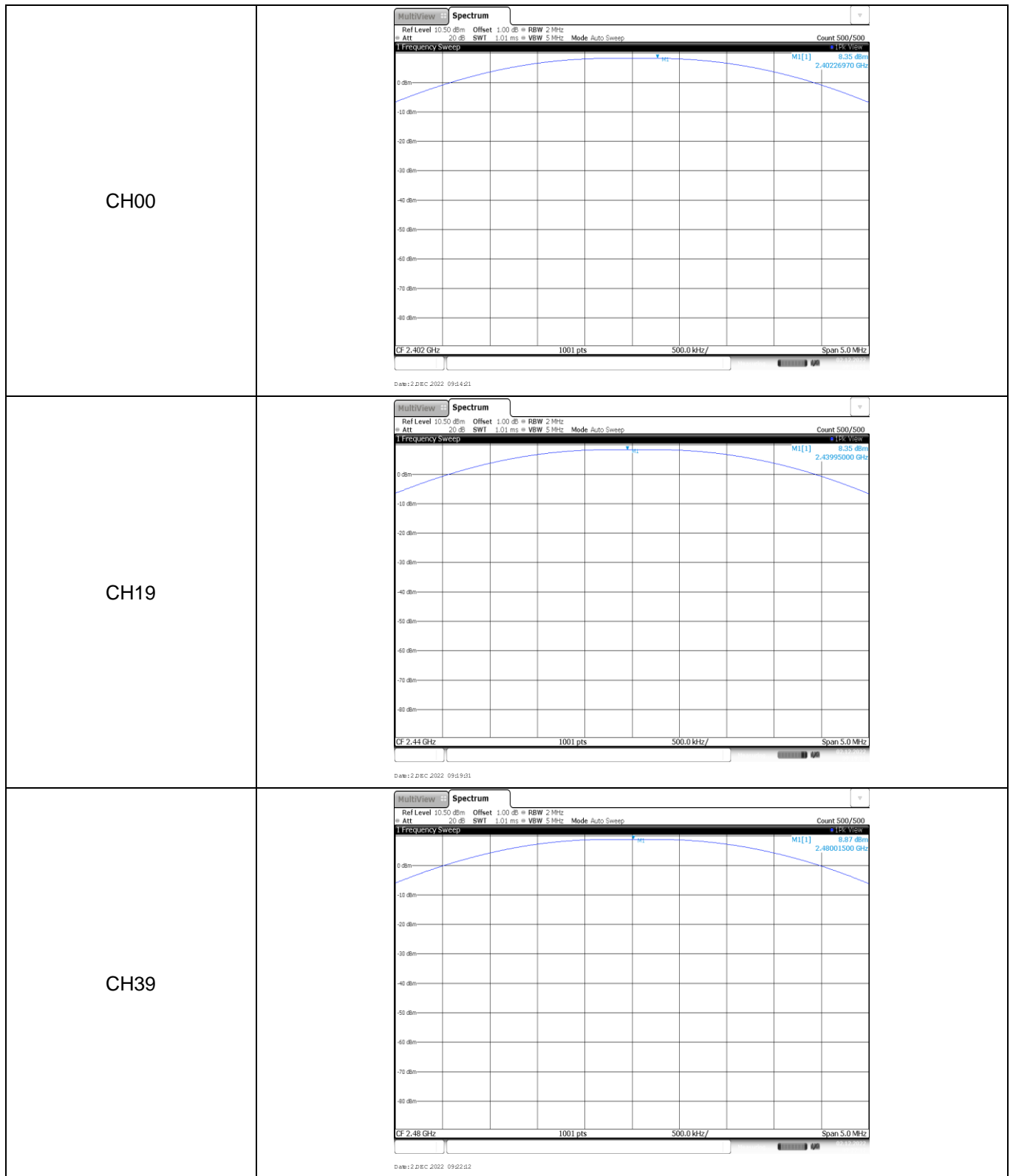
APPENDIX REPORT

Project No.	SHT2210059201EW	Radio Specification	Bluetooth BLE
Test sample No.	YPHT22100592001	Model No.	ClearDryve 220a
Start test date	2022-12-02	Finish date	2022-12-02
Temperature	25.9℃	Humidity	35%
Test Engineer	Xiaoxiao Li	Auditor	Xiaodong Zhuo

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

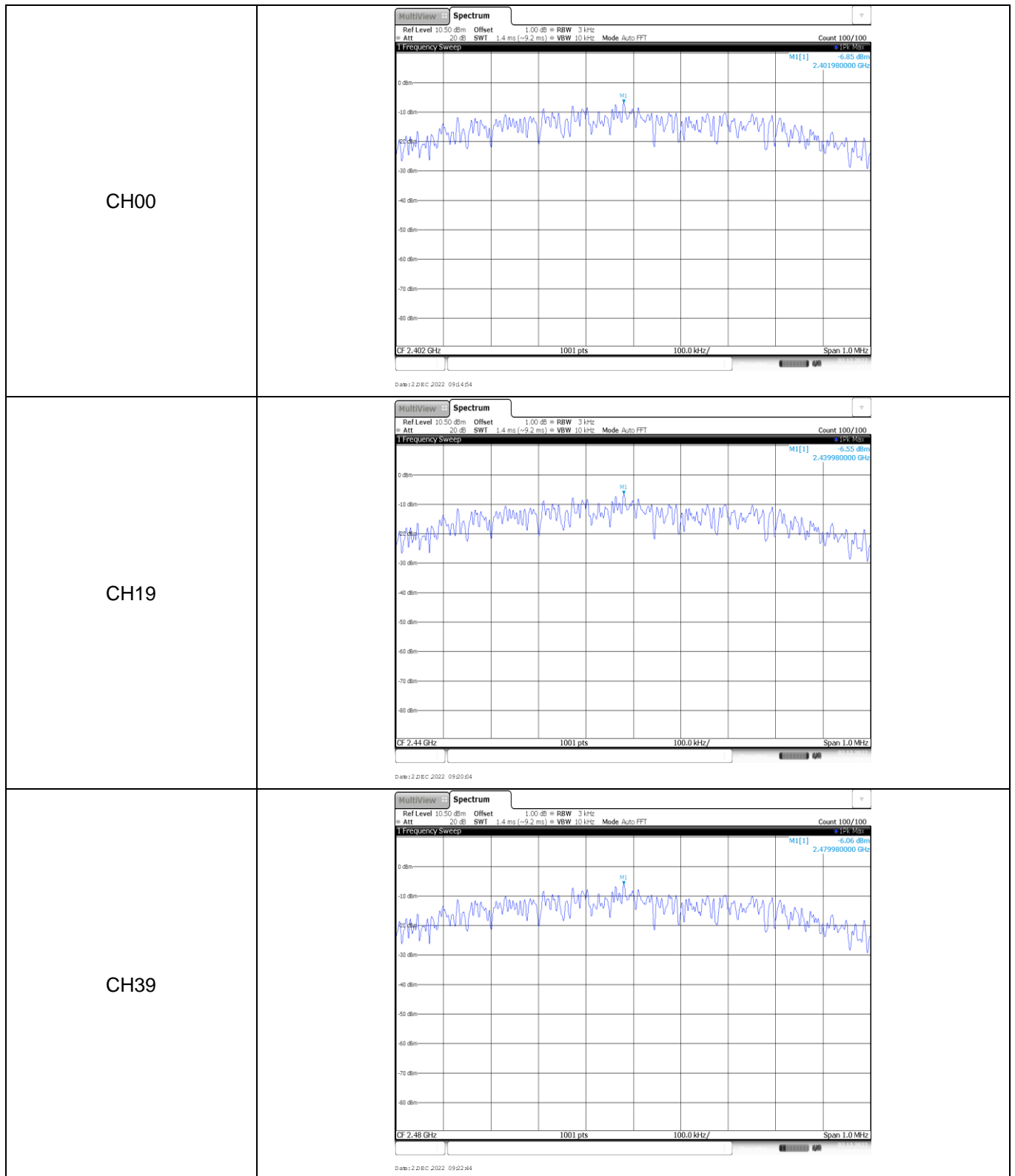
Appendix A: Peak Output Power

Type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
BT-BLE	00	8.35	8.16	≤ 30.00	Pass
	19	8.35	8.31		
	39	8.87	8.79		



Appendix B: Power Spectral Density

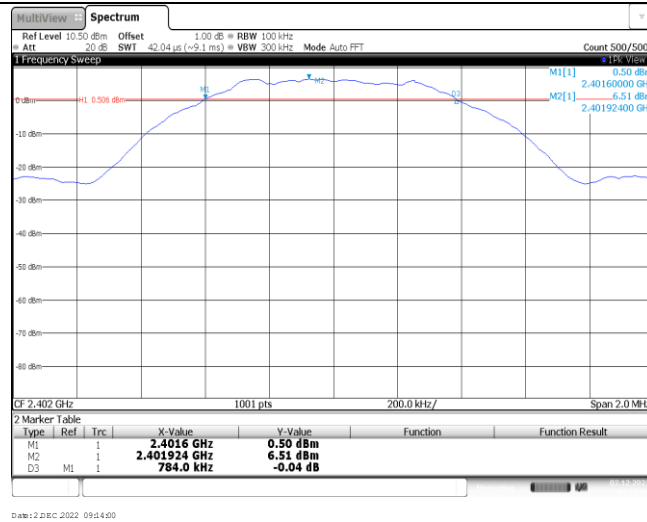
Type	Channel	Power Spectral Density(dBm/3KHz)	Limit (dBm/3KHz)	Result
BT-BLE	00	-6.85	≤8.00	Pass
	19	-6.55		
	39	-6.06		



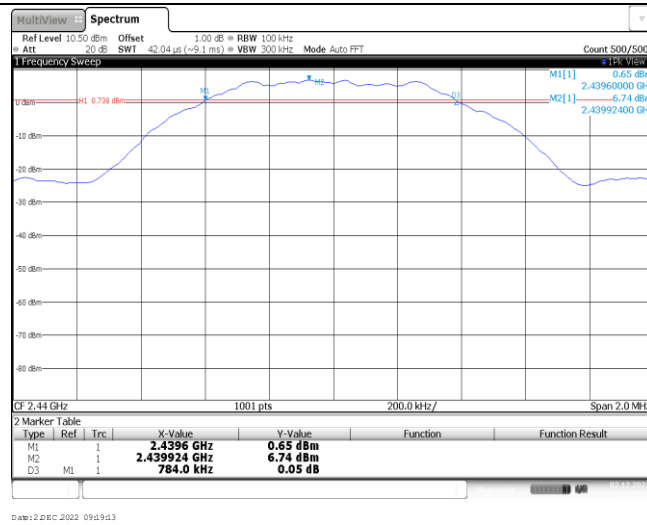
Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth(kHz)	Limit (kHz)	Result
BT-BLE	00	784.00	≥500	Pass
	19	784.00		
	39	782.00		

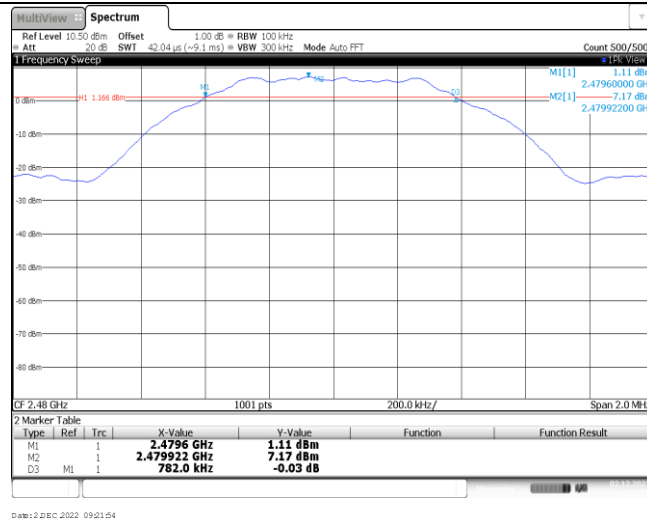
CH00



CH19



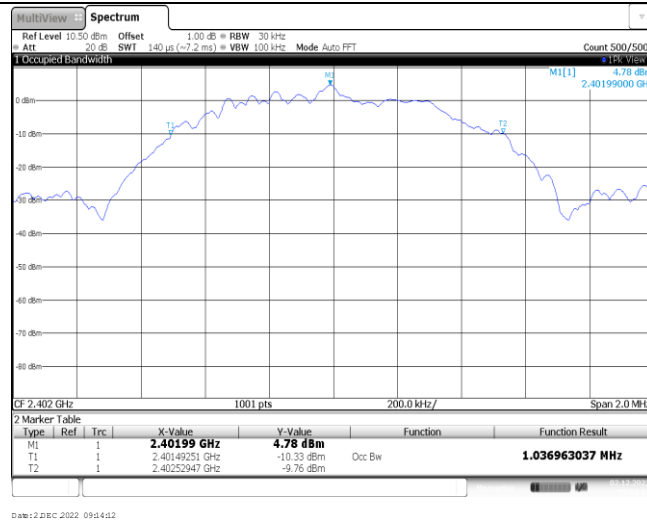
CH39



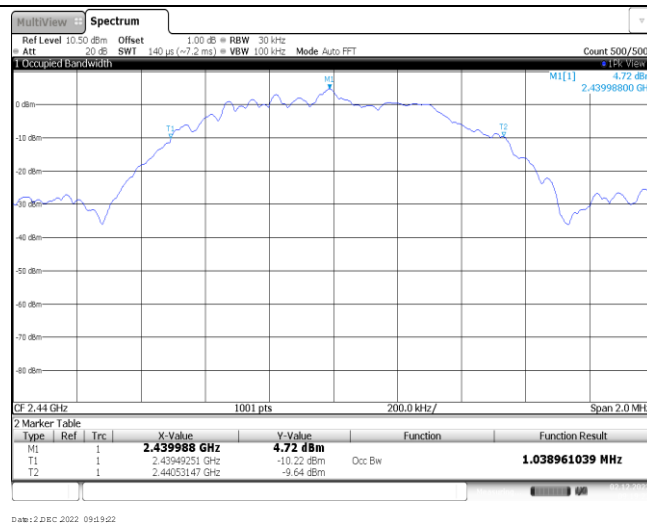
Appendix D: 99% Occupied Bandwidth

Type	Channel	99% Occupied Bandwidth(MHz)	Limit (kHz)	Result
BT-BLE	00	1.04	-	Pass
	19	1.04		
	39	1.04		

CH00



CH19

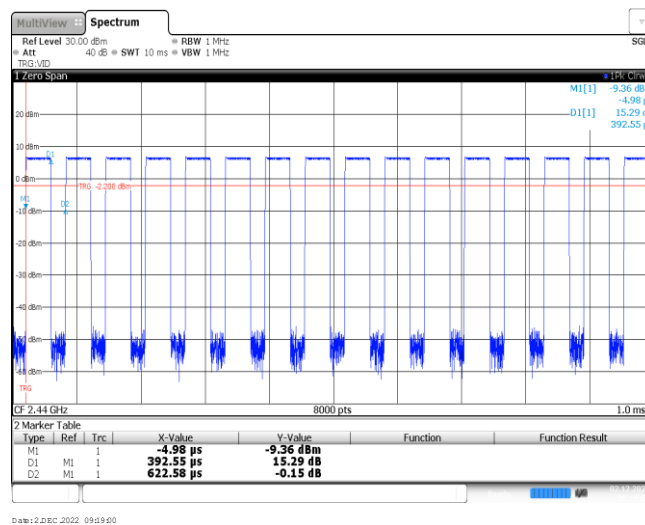


CH39



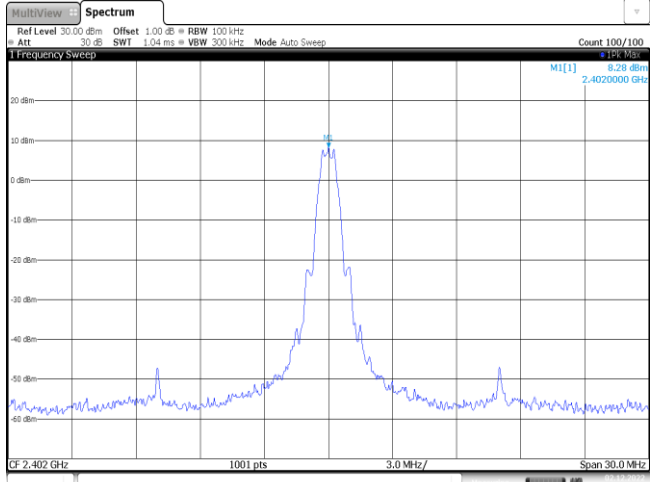
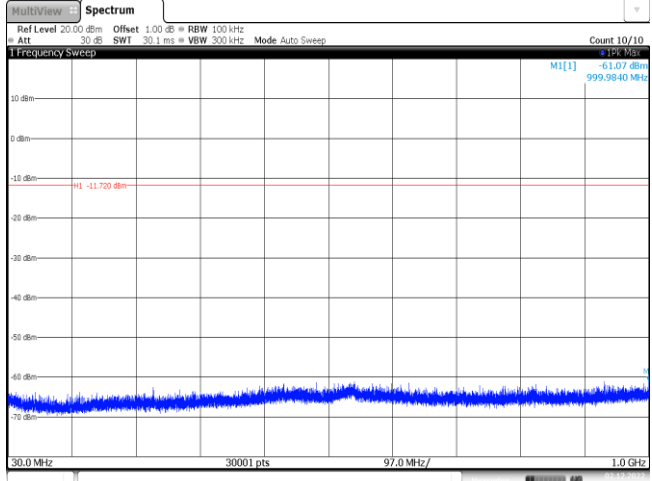
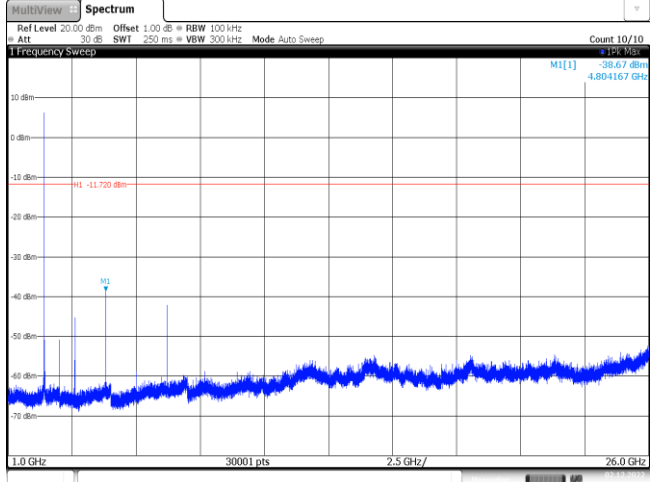
Appendix E: Duty cycle

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

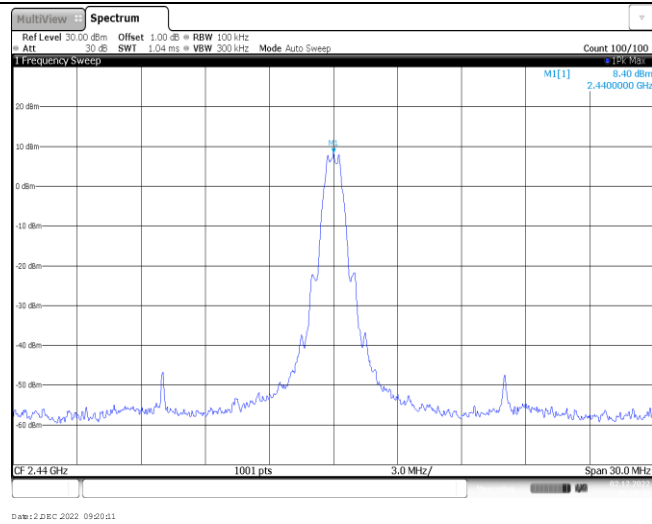


Appendix F: Band edge and Spurious Emissions (conducted)

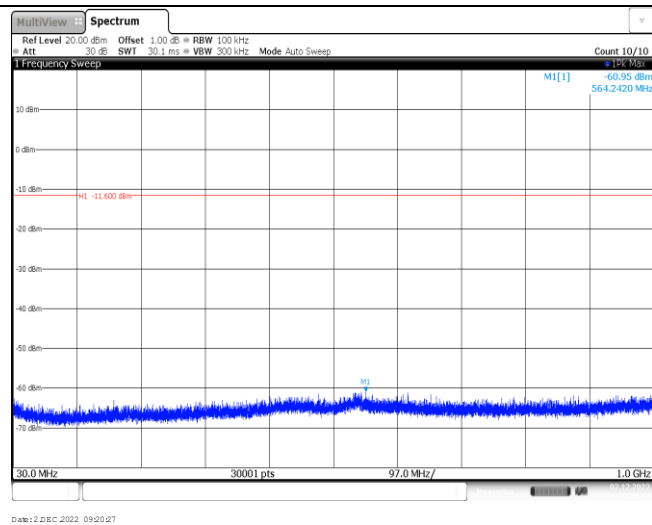
Test Item:	Band edge																																										
CH00	<div><div><div><div>MultiViewSpectrum</div><div>Ref Level 10.50 dBm Offset 1.00 dB RBW 100 kHz Att 20 dB SWI 1.05 ms VBW 300 kHz Mode Auto Sweep Count 300/300</div><div>1 Frequency Sweep</div><div><div><div>0 dBm</div><div>10 dBm</div><div>20 dBm</div><div>30 dBm</div><div>40 dBm</div><div>50 dBm</div><div>60 dBm</div><div>70 dBm</div><div>80 dBm</div></div><div><div>2.31 GHz</div><div>1001 pts</div><div>9.5 MHz/</div><div>2.405 GHz</div></div></div><div><div>M1 [1] 2.40201000 GHz 7.96 dBm</div><div>M2 [1] 2.40000000 GHz -47.34 dBm</div></div><div><div>2.31 GHz</div><div>1001 pts</div><div>9.5 MHz/</div><div>2.405 GHz</div></div><div><table><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><tr><td>M1</td><td>1</td><td></td><td>2.40201 GHz</td><td>7.96 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-47.34 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-59.15 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-71.16 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.394075 GHz</td><td>-47.46 dBm</td><td></td><td></td></tr></table></div></div></div><div>Date: 2 DEC 2022 09:15:03</div></div>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40201 GHz	7.96 dBm			M2	1		2.4 GHz	-47.34 dBm			M3	1		2.39 GHz	-59.15 dBm			M4	1		2.31 GHz	-71.16 dBm			M5	1		2.394075 GHz	-47.46 dBm		
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CH39	<div><div><div><div>MultiViewSpectrum</div><div>Ref Level 10.50 dBm Offset 1.00 dB RBW 100 kHz Att 20 dB SWI 1.02 ms VBW 300 kHz Mode Auto Sweep Count 100/100</div><div>1 Frequency Sweep</div><div><div><div>0 dBm</div><div>10 dBm</div><div>20 dBm</div><div>30 dBm</div><div>40 dBm</div><div>50 dBm</div><div>60 dBm</div><div>70 dBm</div><div>80 dBm</div></div><div><div>2.478 GHz</div><div>1001 pts</div><div>2.2 MHz/</div><div>2.5 GHz</div></div></div><div><div>M1 [1] 2.4799890 GHz 8.61 dBm</div><div>M2 [1] 2.4799890 GHz -52.46 dBm</div></div><div><div>2.478 GHz</div><div>1001 pts</div><div>2.2 MHz/</div><div>2.5 GHz</div></div><div><table><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><tr><td>M1</td><td>1</td><td></td><td>2.479989 GHz</td><td>8.61 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.48335 GHz</td><td>-52.46 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-60.69 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.48801 GHz</td><td>-46.26 dBm</td><td></td><td></td></tr></table></div></div></div><div>Date: 2 DEC 2022 09:22:54</div></div>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.479989 GHz	8.61 dBm			M2	1		2.48335 GHz	-52.46 dBm			M3	1		2.5 GHz	-60.69 dBm			M4	1		2.48801 GHz	-46.26 dBm									
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Test Item:	SE
CH00 Reference level	 <p>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 M1[1] 15.28 dBm 2.4020000 GHz CF 2.402 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 2 DEC 2022 09:17:40</p>
CH00 30MHz~1000MHz	 <p>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 M1[1] -61.07 dBm 999.9940 MHz 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 2 DEC 2022 09:17:56</p>
CH00 1GHz~26GHz	 <p>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 M1[1] -58.67 dBm 4.804167 GHz 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 2 DEC 2022 09:18:12</p>

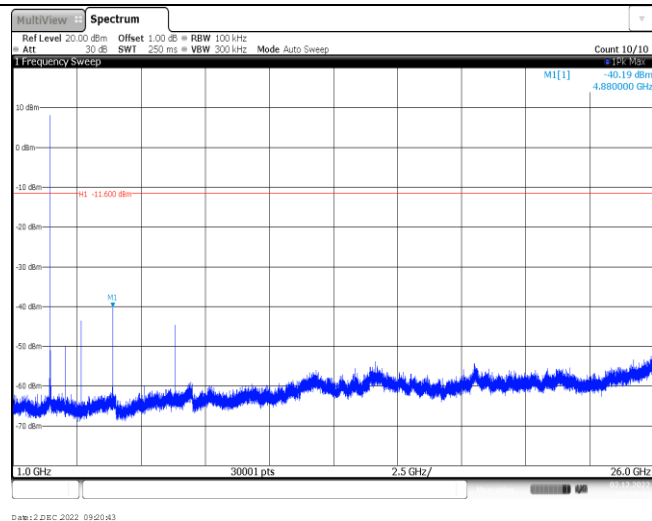
CH19
Reference level

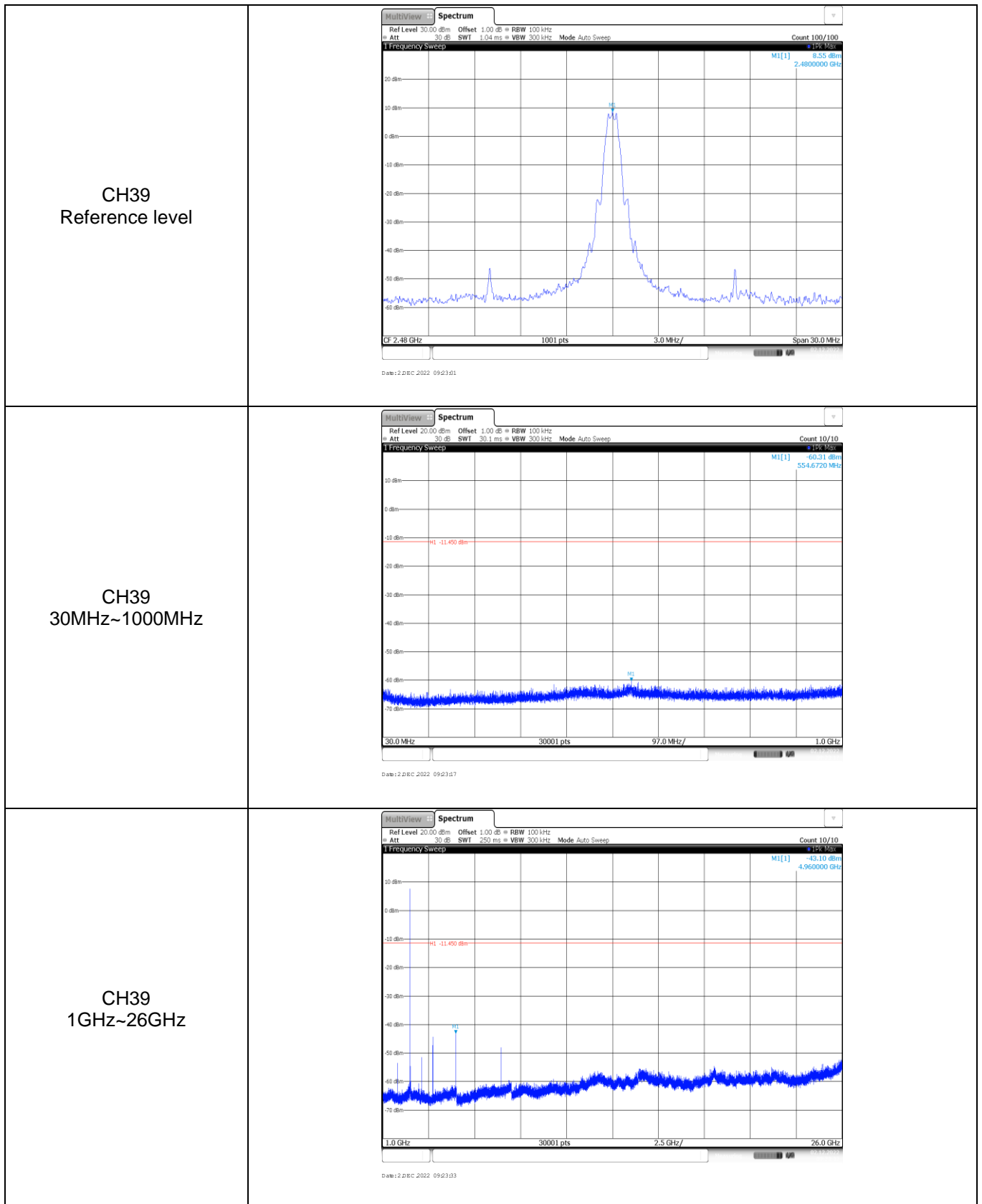


CH19
30MHz~1000MHz



CH19
1GHz~26GHz





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