

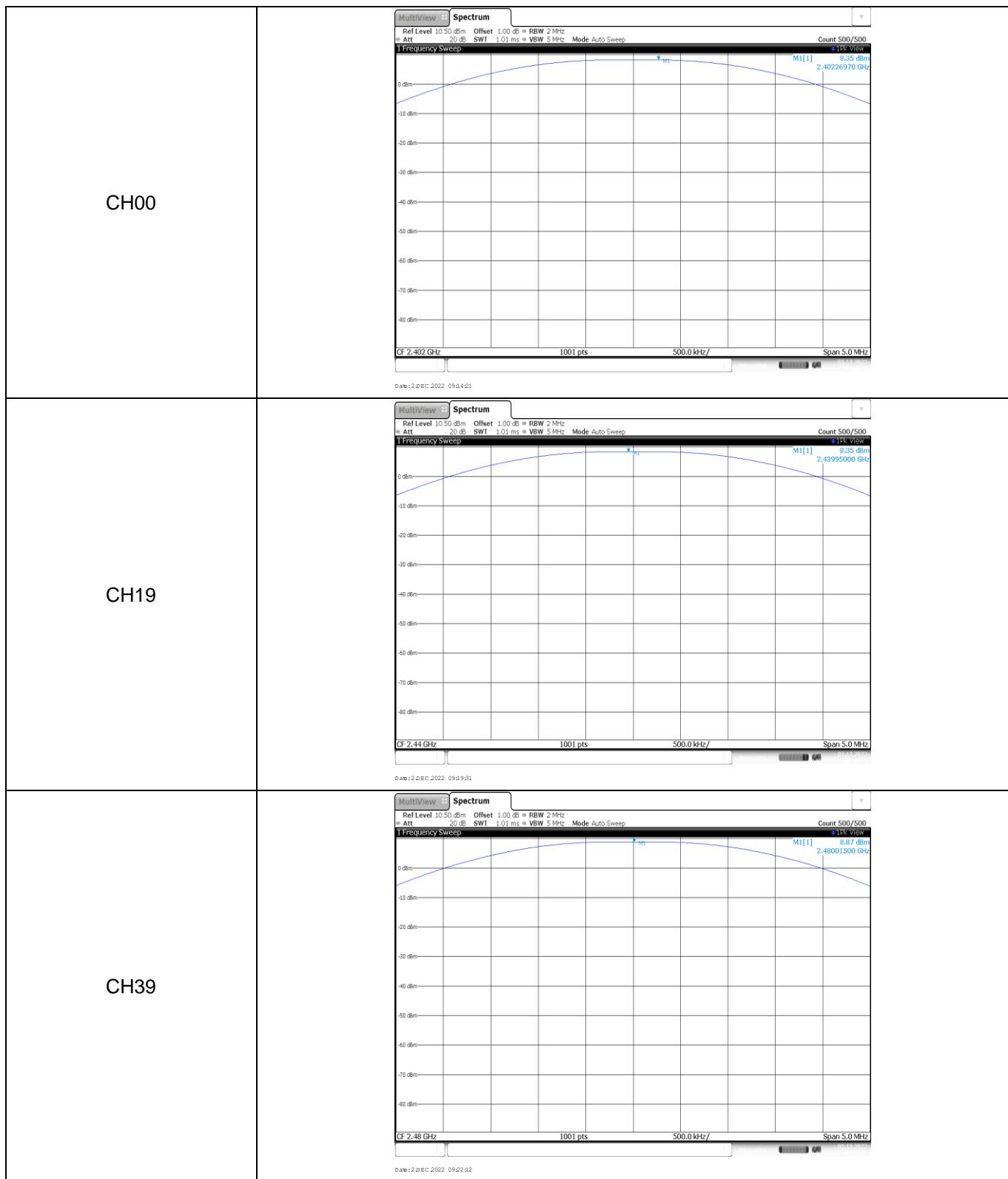
APPENDIX REPORT

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°C	Humidity	35%
Test Engineer	Xiaoxiao Li	Auditor	<i>Xiaodong Zhao</i>

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

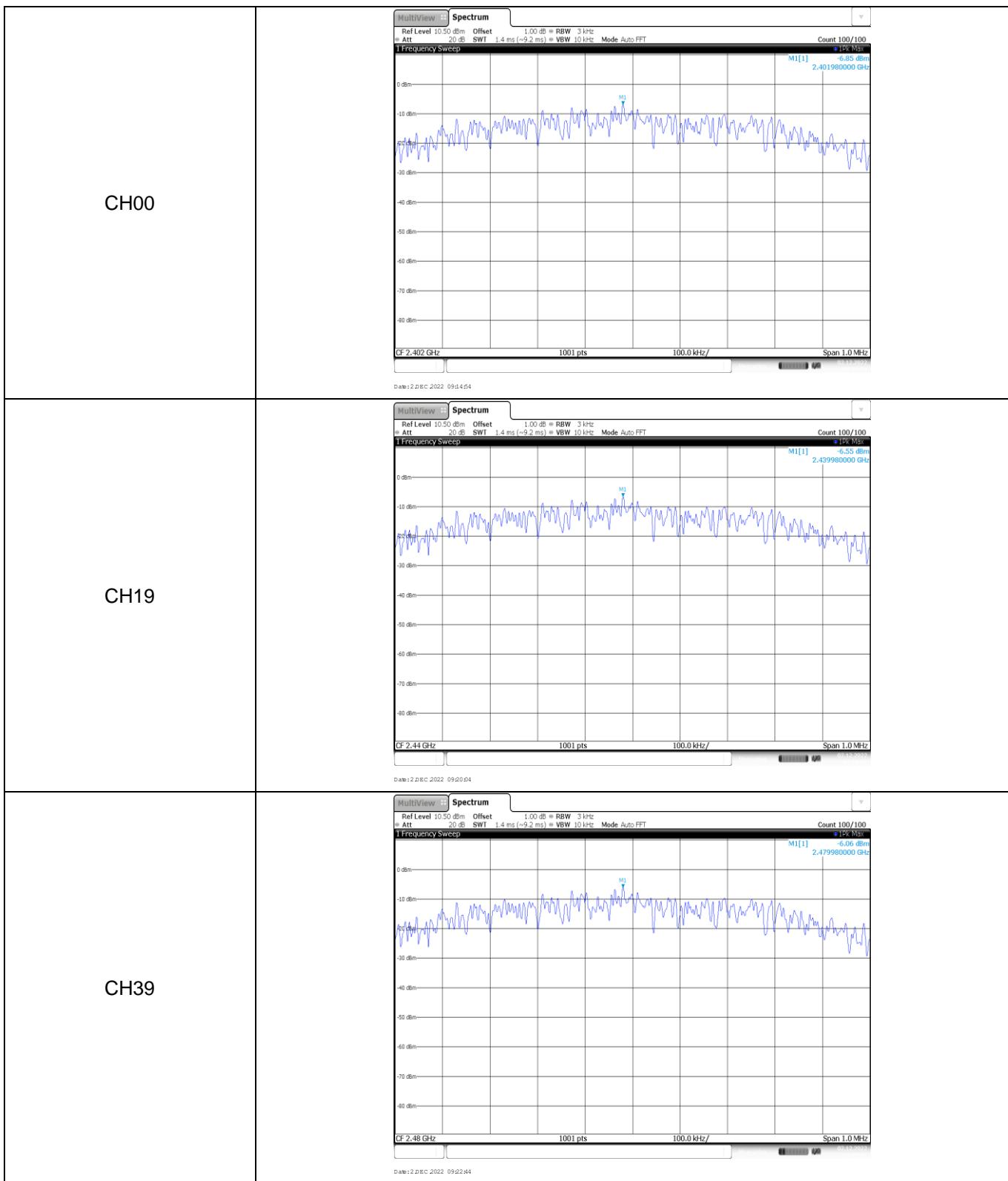
Appendix A: Peak Output Power

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		



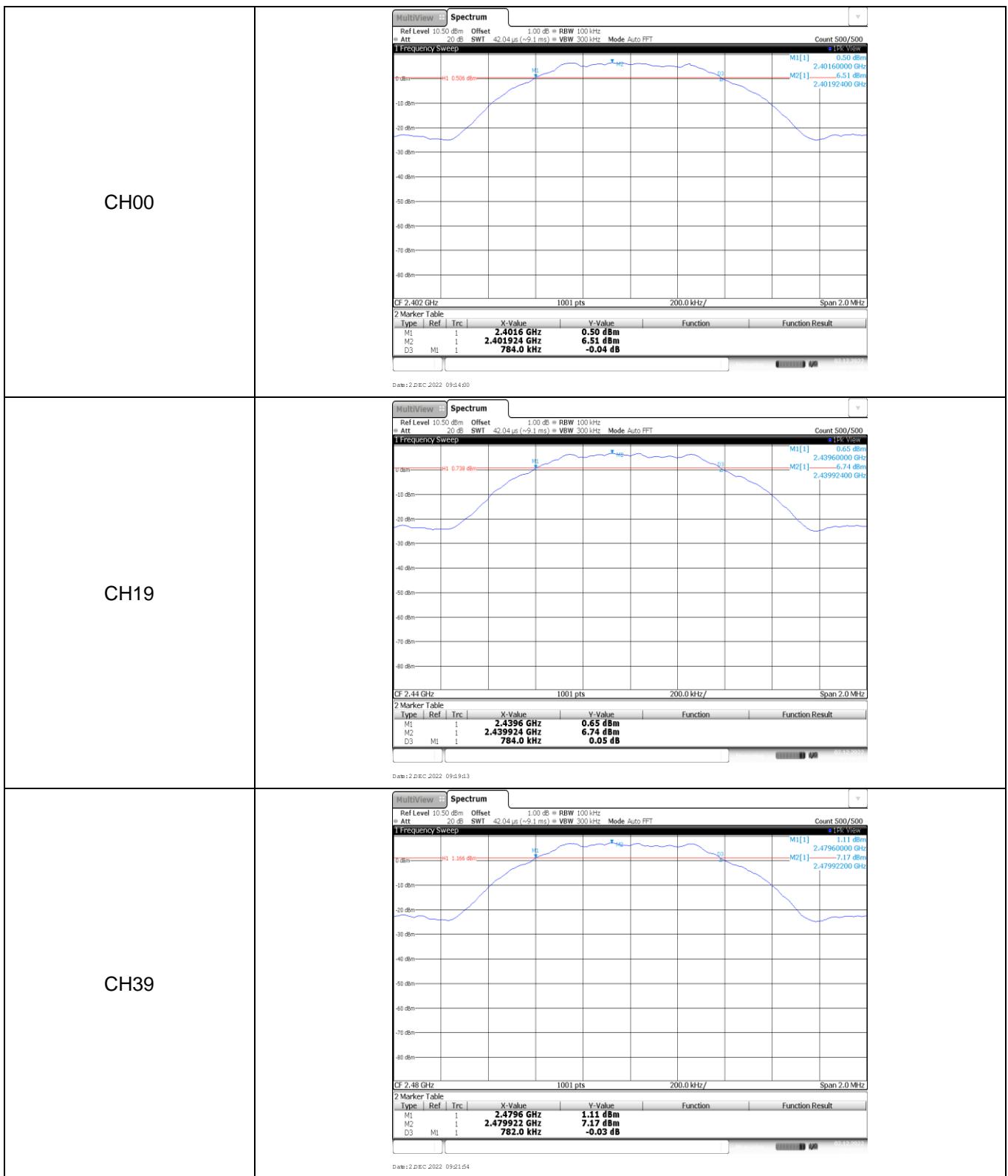
Appendix B: Power Spectral Density

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		



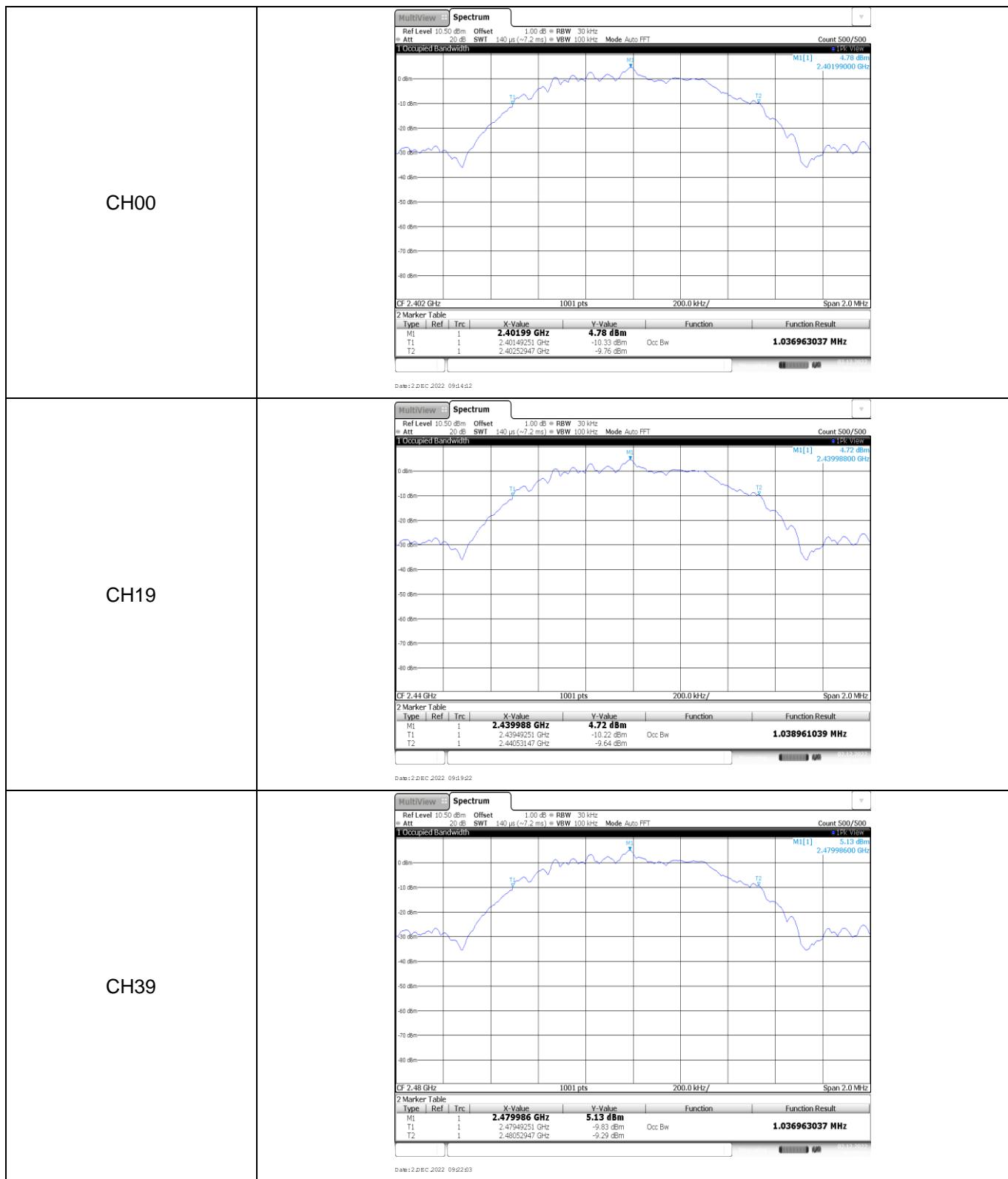
Appendix C: 6dB bandwidth

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



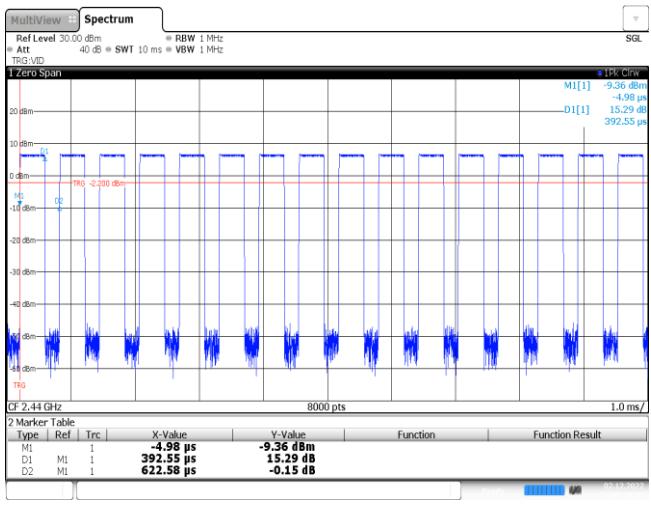
Appendix D: 99% Occupied Bandwidth

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



Appendix E: Duty cycle

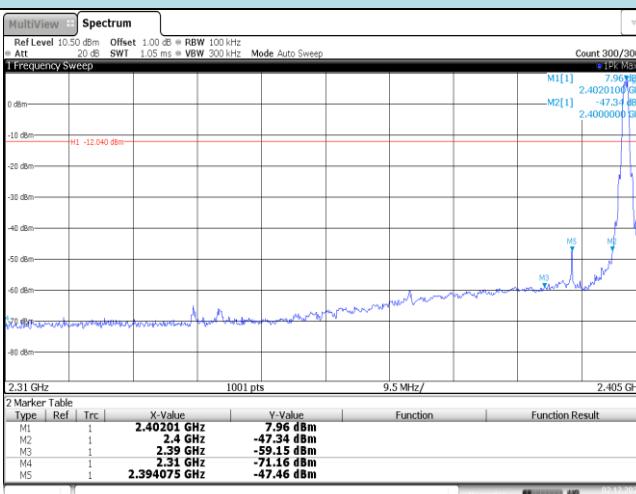
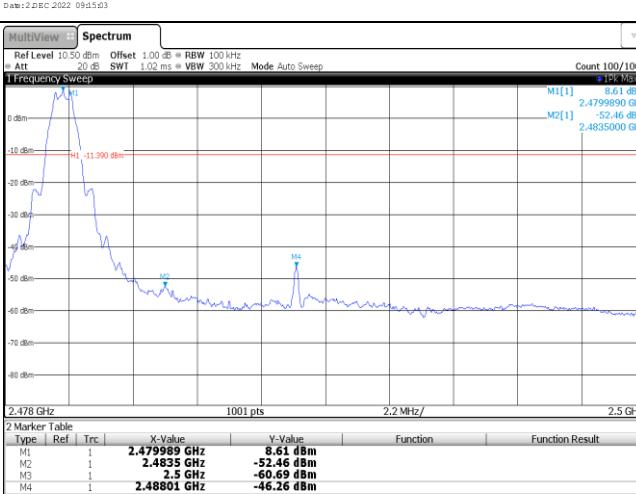
Test Frequency (MHz)	$T_{\text{on time}}$ for single burst (ms)	T_{period} (ms)	Duty cycle	$1/T_{\text{on time}}$ (kHz)
2440	0.39	0.62	62.9%	2.6

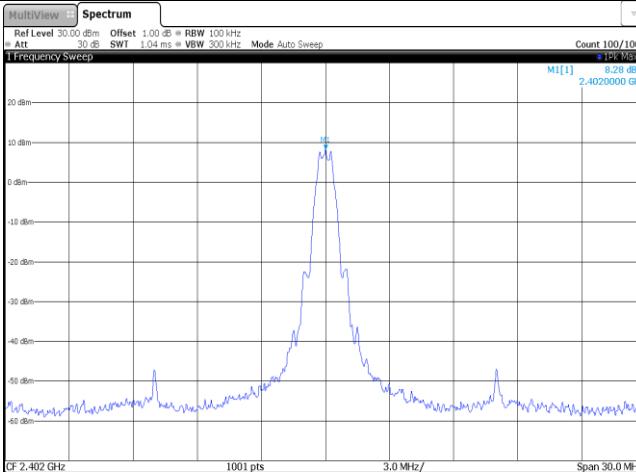
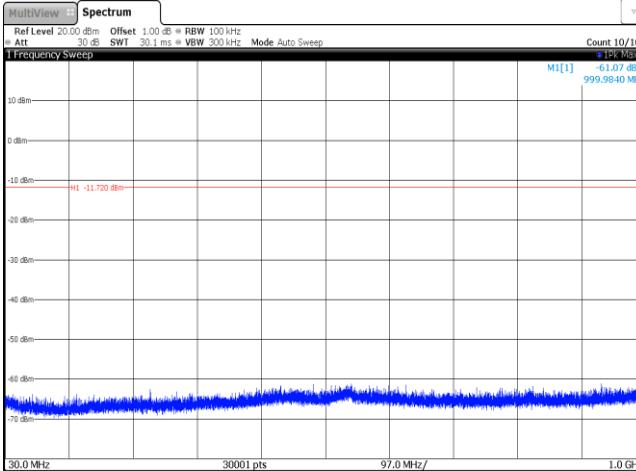
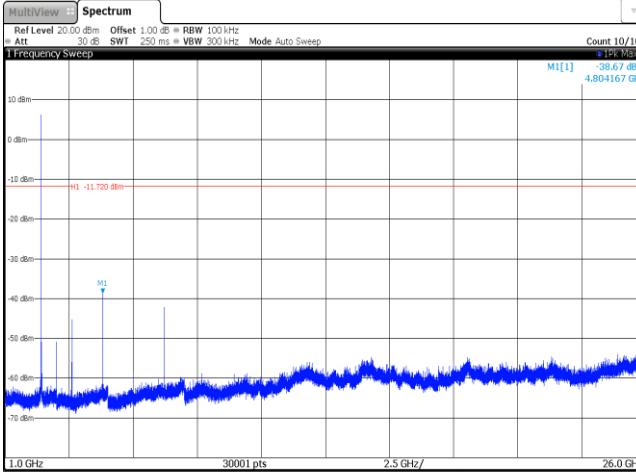


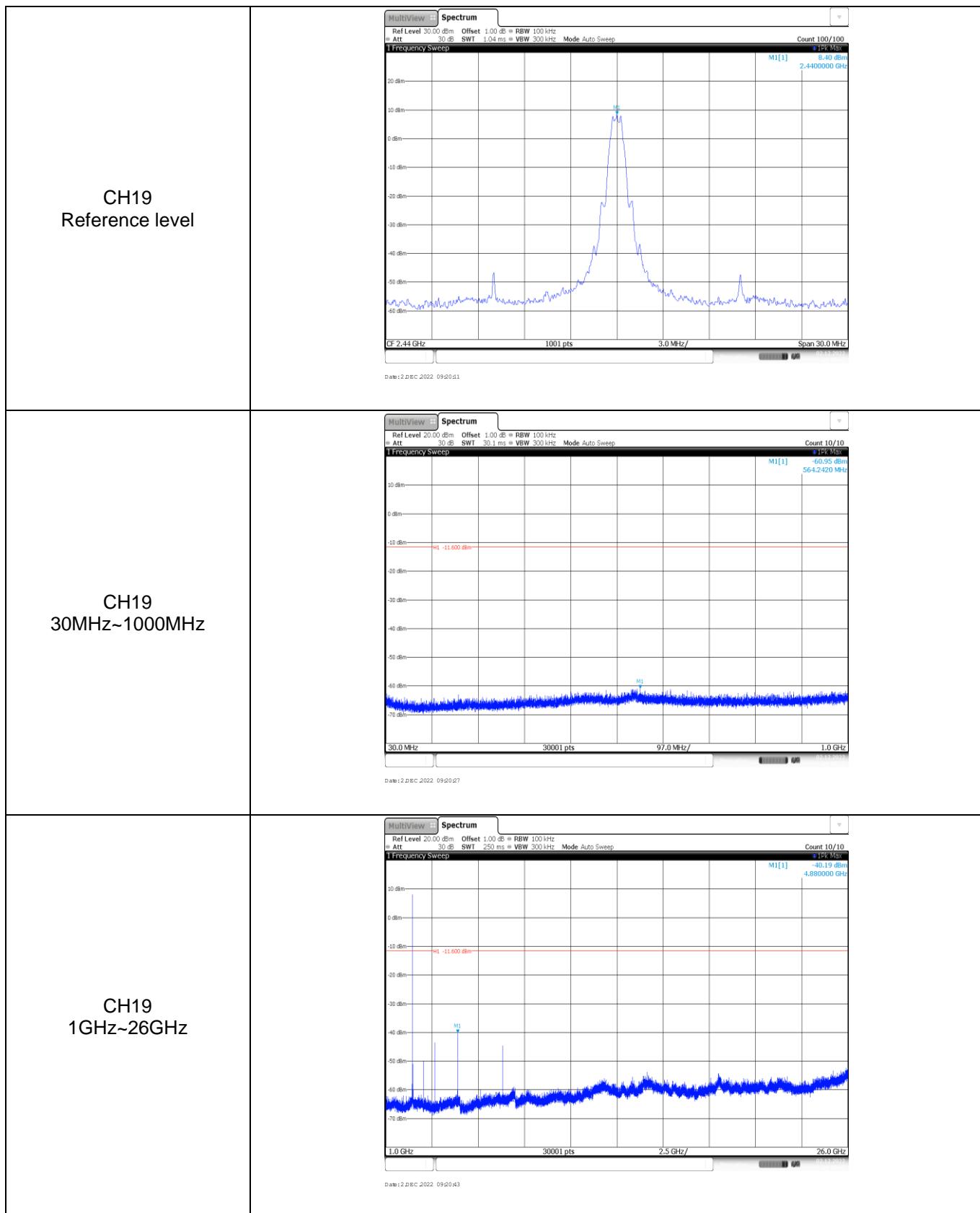
Marker Table

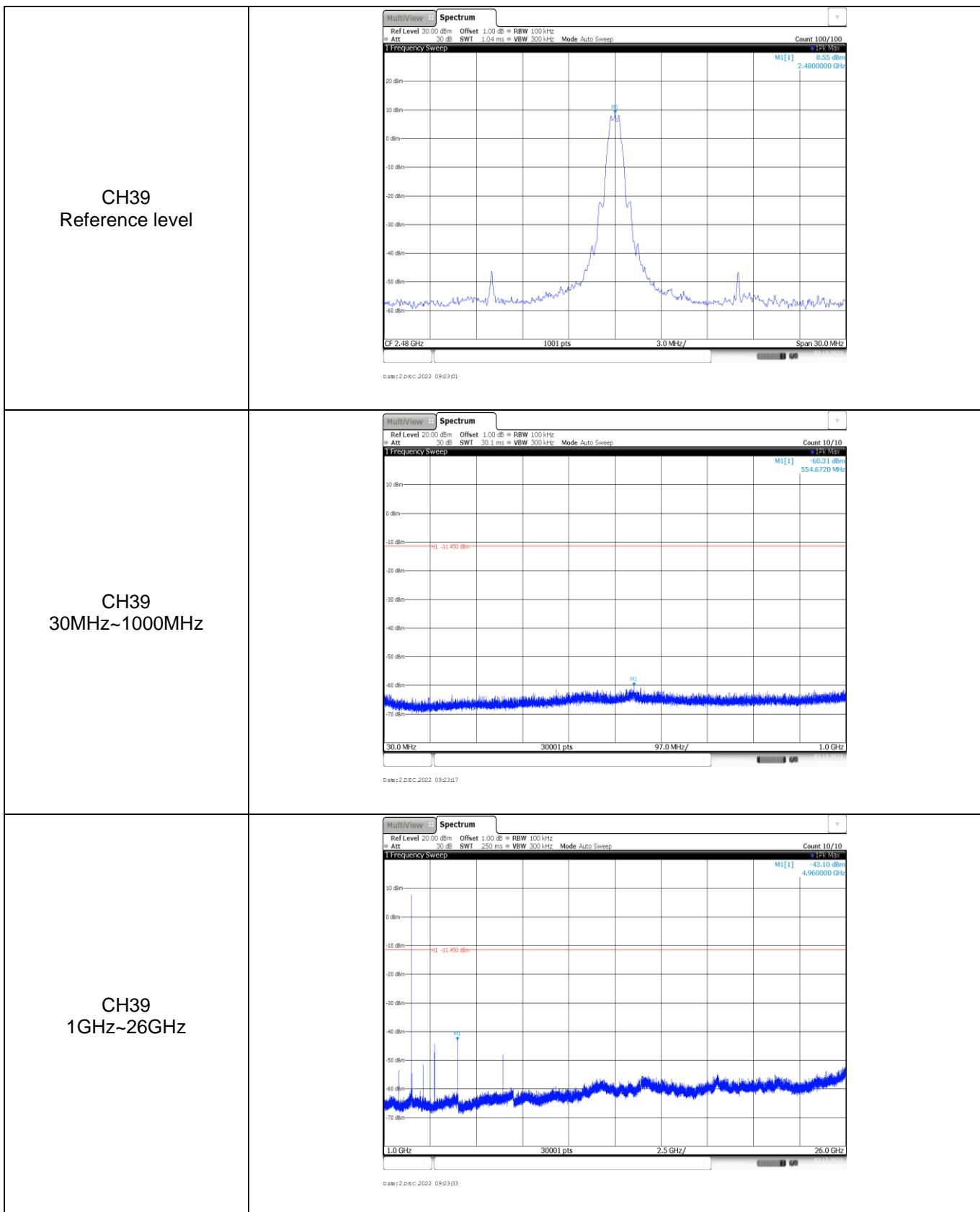
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		-4.98 μ s	-9.36 dBm		
D1	M1	1	392.55 μ s	15.29 dB		
D2	M1	1	622.58 μ s	-0.15 dB		

Appendix F: Band edge and Spurious Emissions (conducted)

Test Item:	Band edge																																										
CH00	 <p>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>2.40201 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> </tbody> </table>	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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Test Item:	SE
CH00 Reference level	 <p>Date: 2 DEC 2022 09d17:40</p>
CH00 30MHz~1000MHz	 <p>Date: 2 DEC 2022 09d17:56</p>
CH00 1GHz~26GHz	 <p>Date: 2 DEC 2022 09d18:12</p>





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