

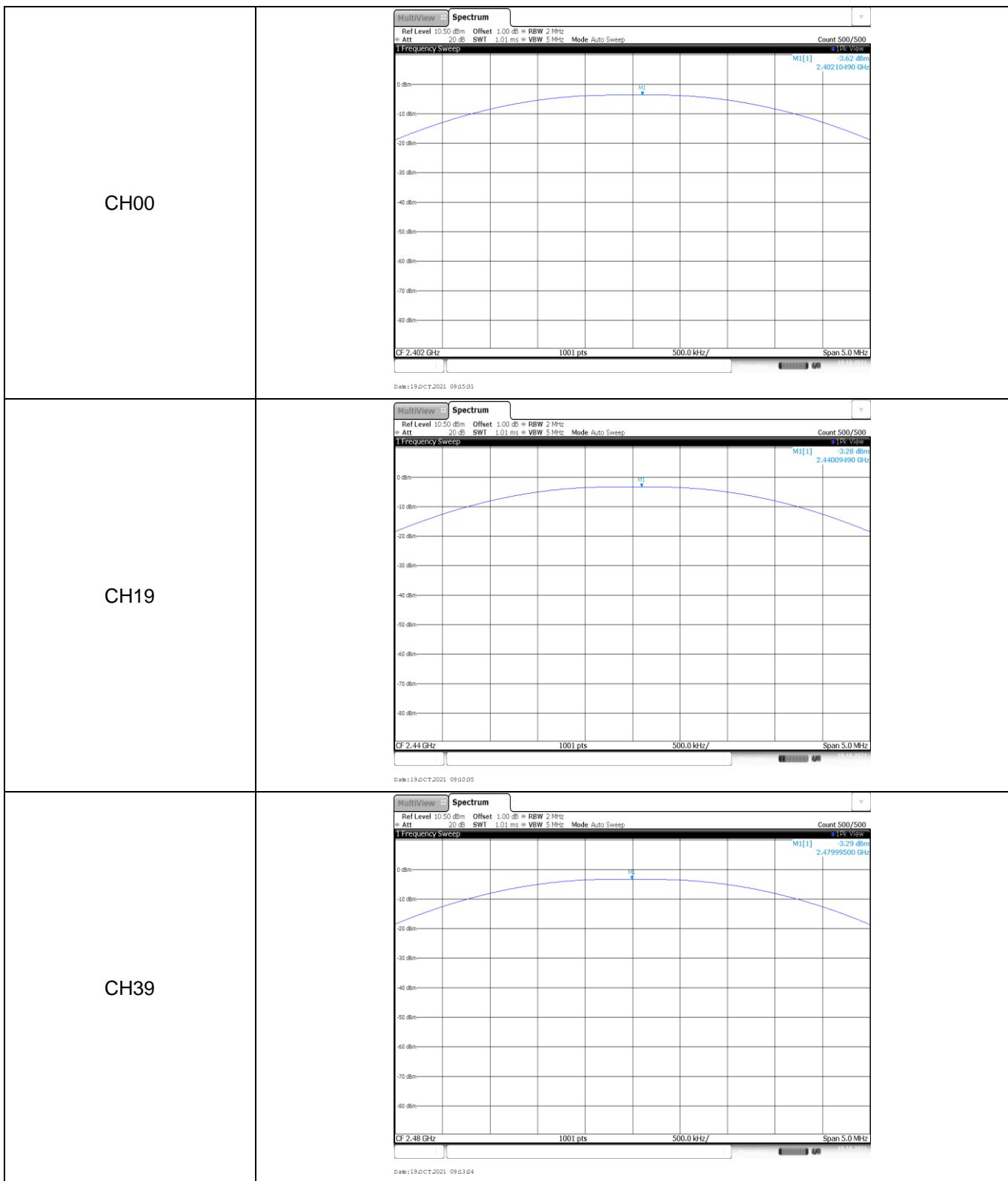
APPENDIX REPORT

Project No.	SHT2106117007EW	Radio Specification	Bluetooth BLE
Test sample No.	YPHT21061170008	Model No.	C6100
Start test date	2021-10-19	Finish date	2021-10-19
Temperature	25.9°C	Humidity	30%
Test Engineer	Xiaoqin Li	Auditor	<i>Xiaodong Zhen</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

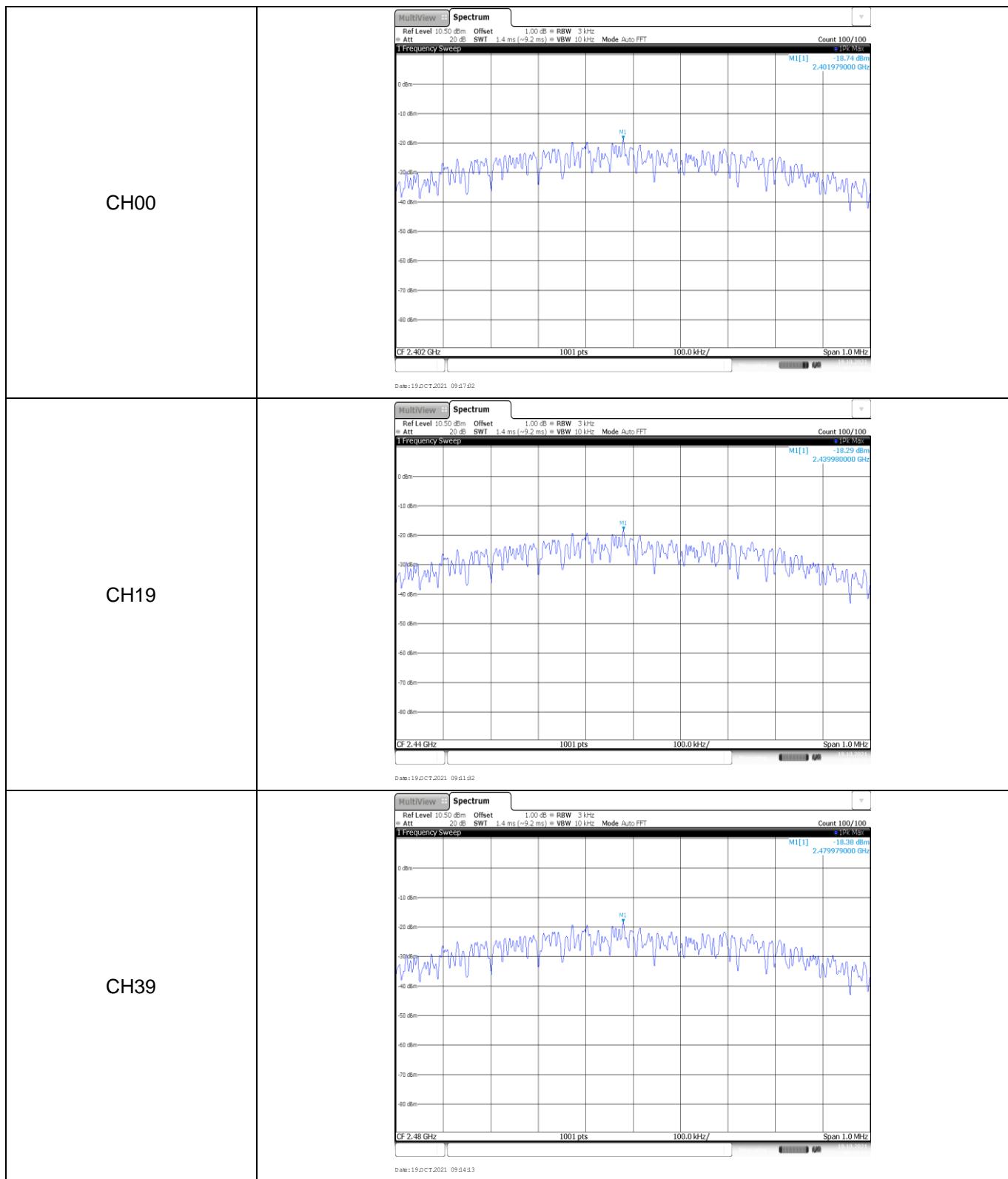
Appendix A: Peak Output Power

Type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
BT-BLE	00	-3.62	-3.73	≤ 30.00	Pass
	19	-3.28	-3.38		
	39	-3.29	-3.39		



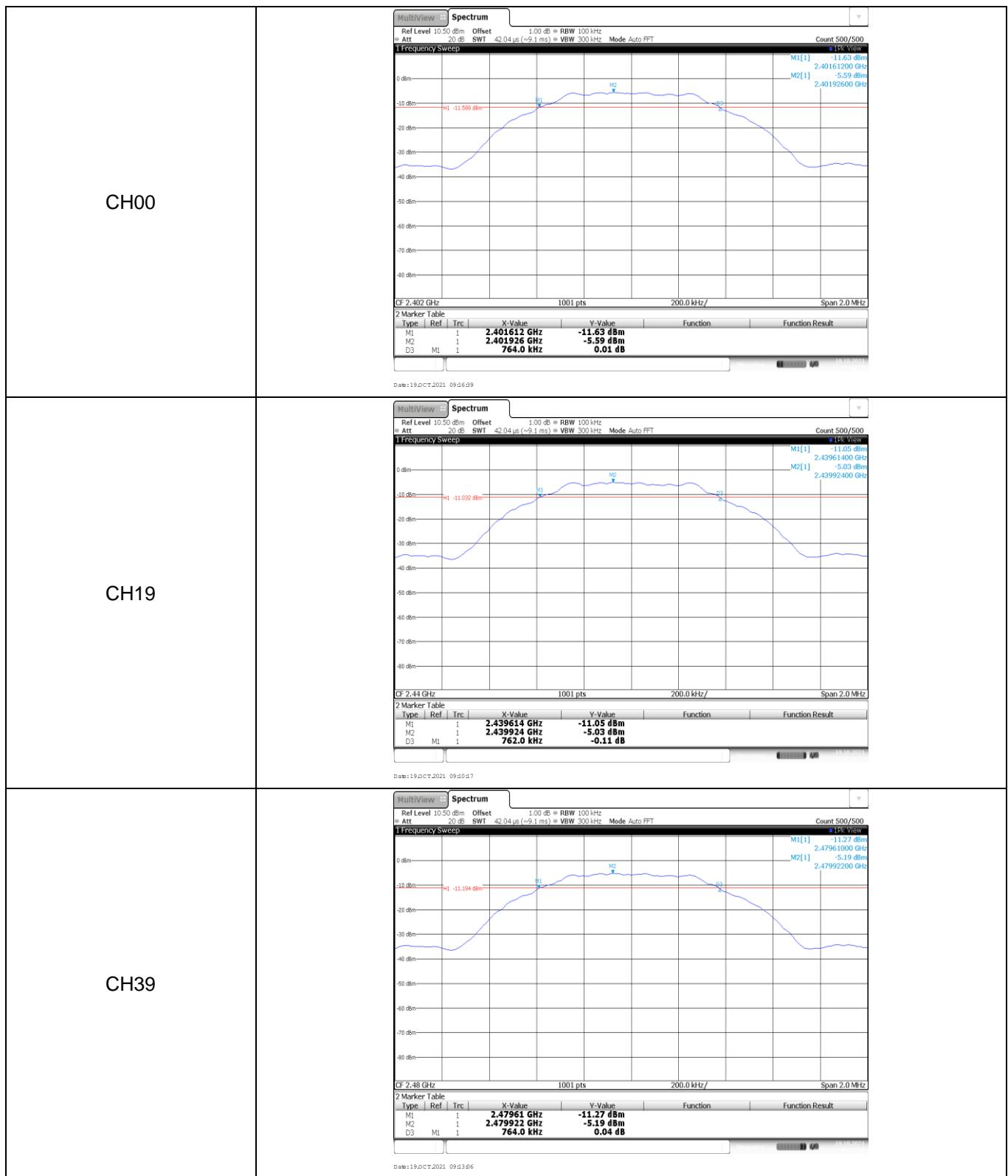
Appendix B: Power Spectral Density

Type	Channel	Power Spectral Density(dBm/3KHz)	Limit (dBm/3KHz)	Result
BT-BLE	00	-18.74	≤ 8.00	Pass
	19	-18.29		
	39	-18.38		



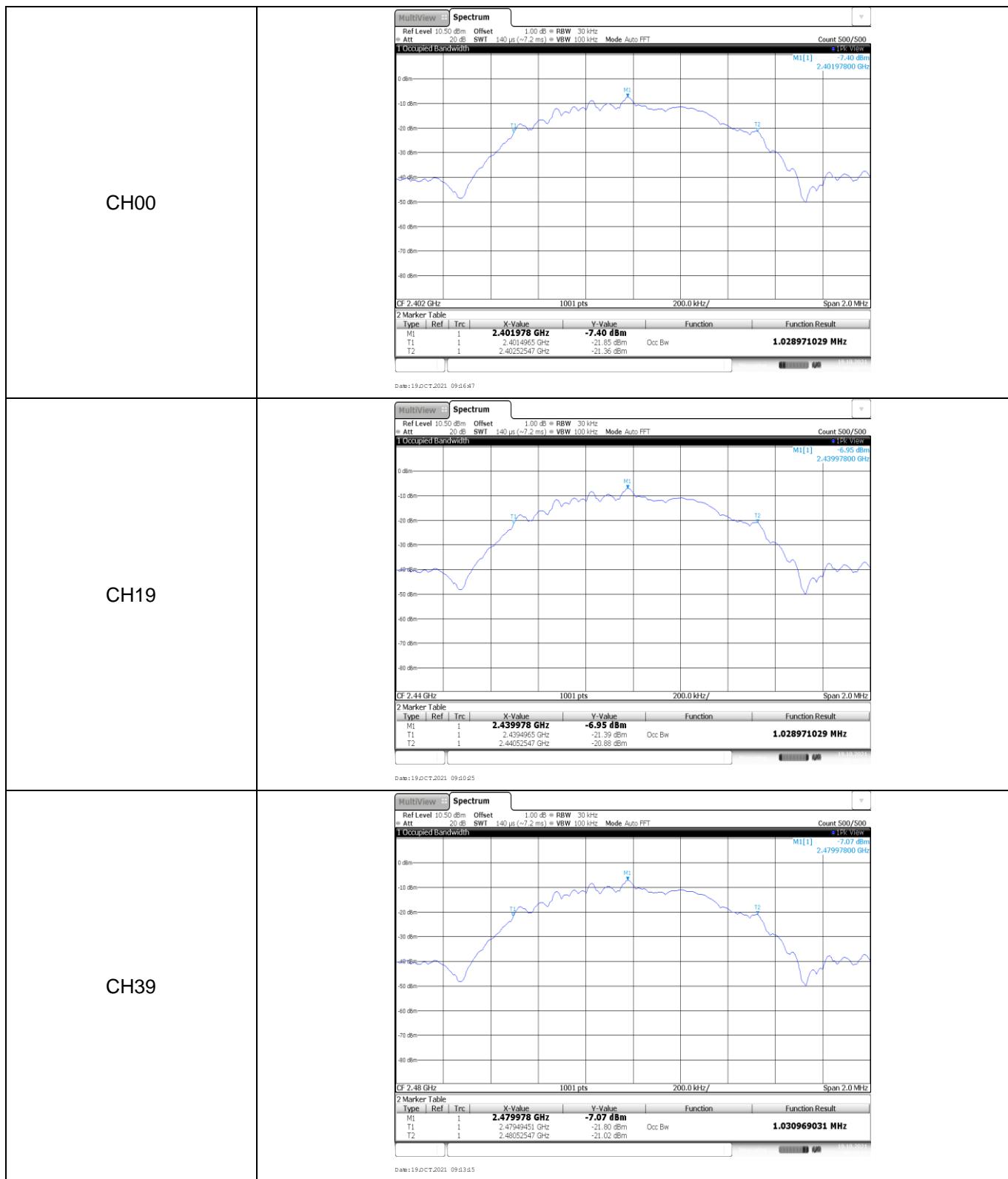
Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth(kHz)	Limit (kHz)	Result
BT-BLE	00	764.00	≥ 500	Pass
	19	762.00		
	39	764.00		



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		



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	0.38	0.62	61.3%	2.6

Spectrum

Ref Level 30.00 dBm RBW 1 MHz
 = Att 40 dB = SWT 10 ms = VBW 1 MHz
 Trig/VID

1. Zero Span

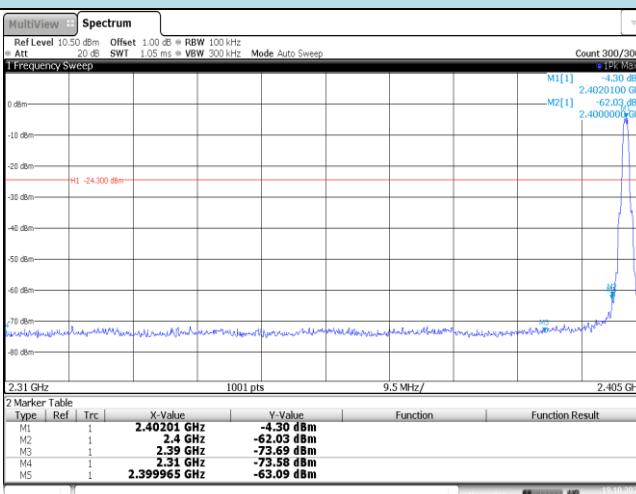
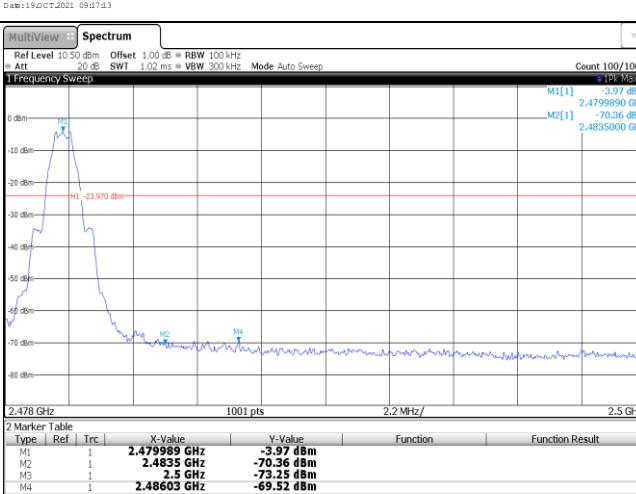
CF 2.44 GHz 8000 pts 1.0 ms

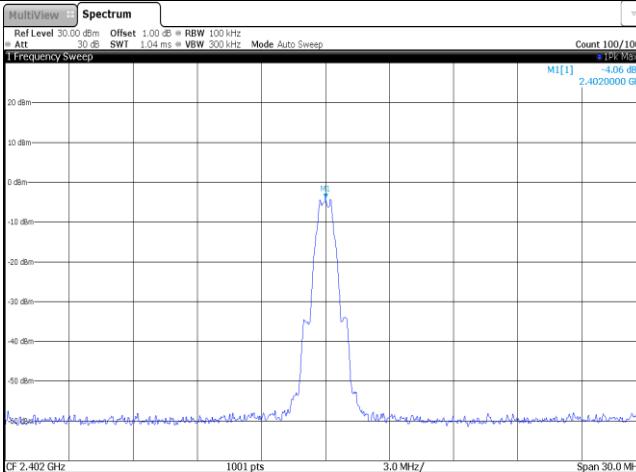
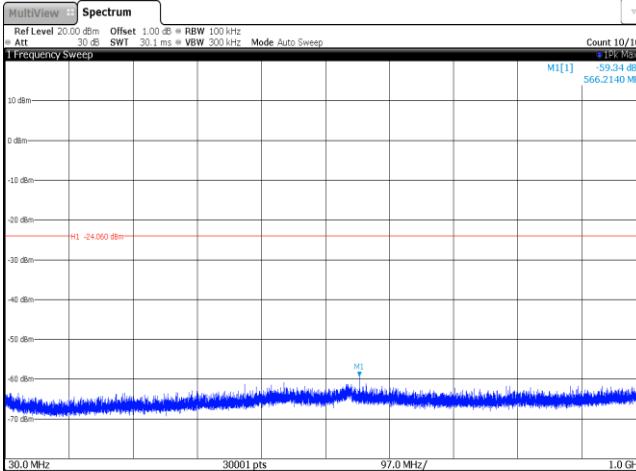
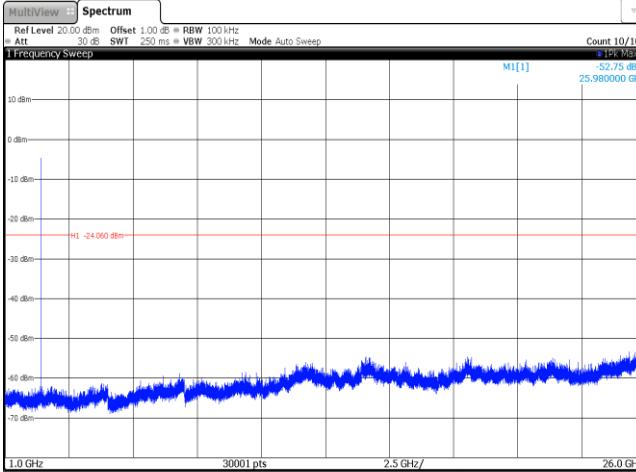
2 Marker Table

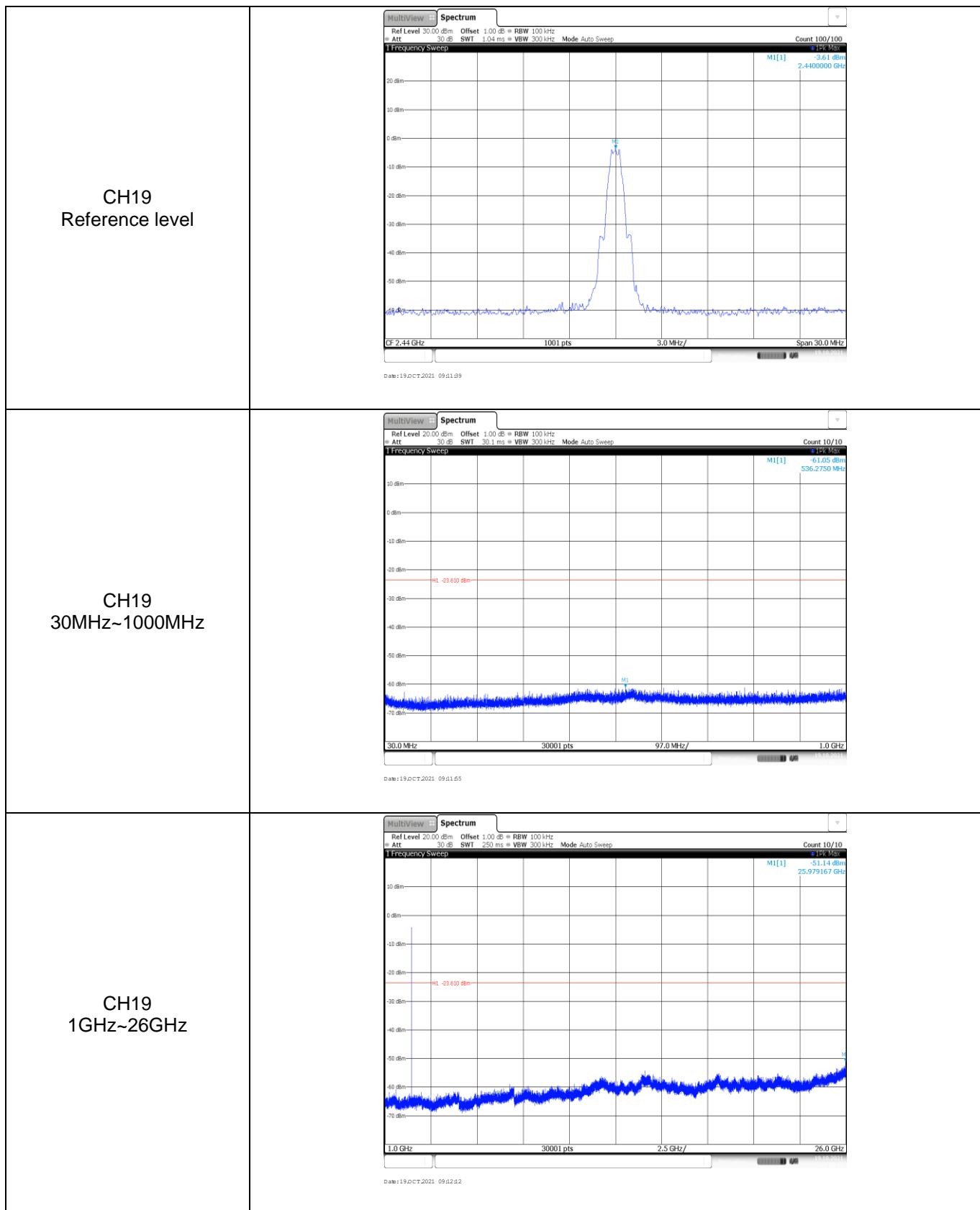
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		-1.23 μs	-10.60 dBm		
D1	M1	1	380.05 μs	4.84 dB		
D2	M1	1	622.58 μs	0.05 dB		

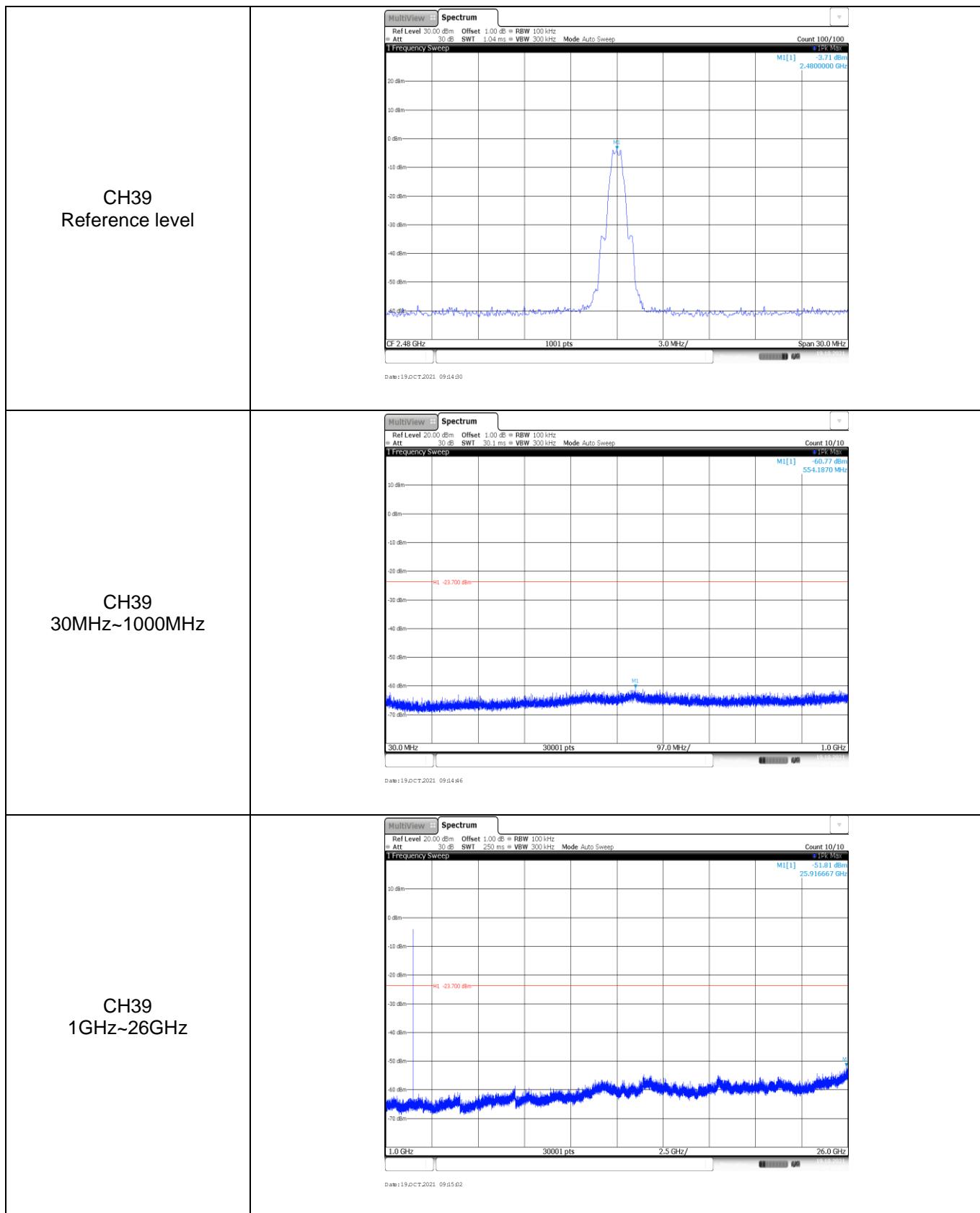
Date: 19 Oct 2021 09:00:03

Appendix F: Band edge and Spurious Emissions (conducted)

Test Item:	Band edge																																										
CH00	 <p>1 Frequency Sweep</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>2.40201 GHz</td> <td>-4.30 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-62.03 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-73.69 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-73.58 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399965 GHz</td> <td>-63.09 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 19 OCT 2021 09:17:13</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40201 GHz	-4.30 dBm			M2	1		2.4 GHz	-62.03 dBm			M3	1		2.39 GHz	-73.69 dBm			M4	1		2.31 GHz	-73.58 dBm			M5	1		2.399965 GHz	-63.09 dBm		
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Test Item:	SE
CH00 Reference level	 <p>Date: 19 OCT 2021 09:17:19</p>
CH00 30MHz~1000MHz	 <p>Date: 19 OCT 2021 09:17:26</p>
CH00 1GHz~26GHz	 <p>Date: 19 OCT 2021 09:17:52</p>





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