

# APPENDIX REPORT

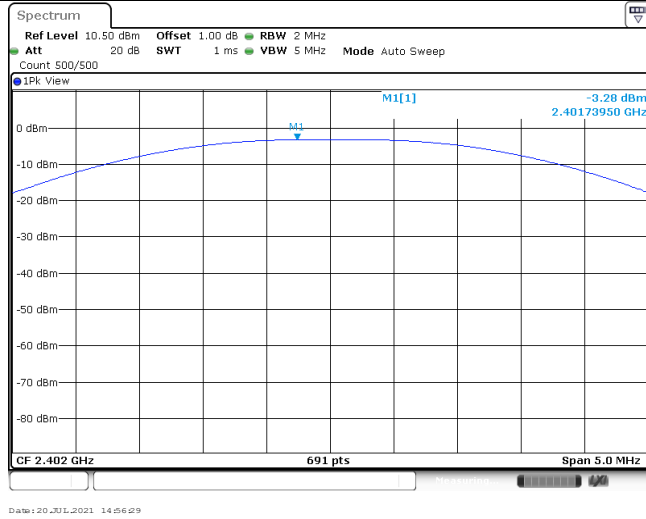
Project No.	SHT2105069804EW	Radio Specification	Bluetooth BLE
Test sample No.	YPHT21050698022	Model No.	DCIO
Start test date	2021-07-20	Finish date	2021-07-20
Temperature	26.3°C	Humidity	36%
Test Engineer	Weiyang Xiang	Auditor	Xiaodong Zheo

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

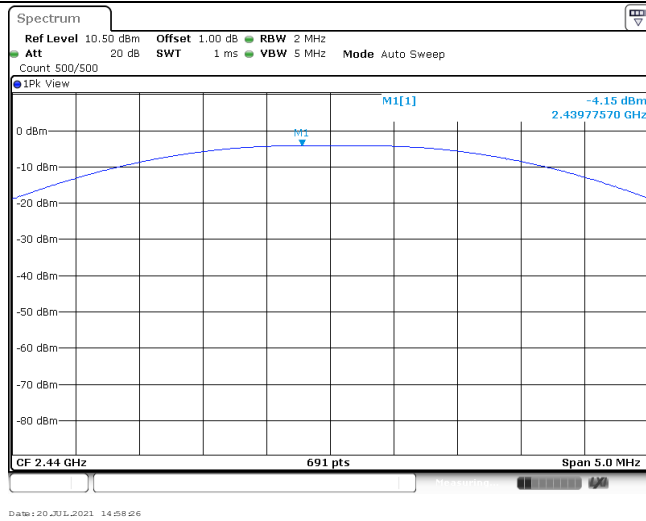
**Appendix A: Peak Output Power**

Type	Channel	Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
BT-BLE	00	-3.28	-3.30	≤ 30.00	Pass
	19	-4.15	-4.17		
	39	-5.19	-5.21		

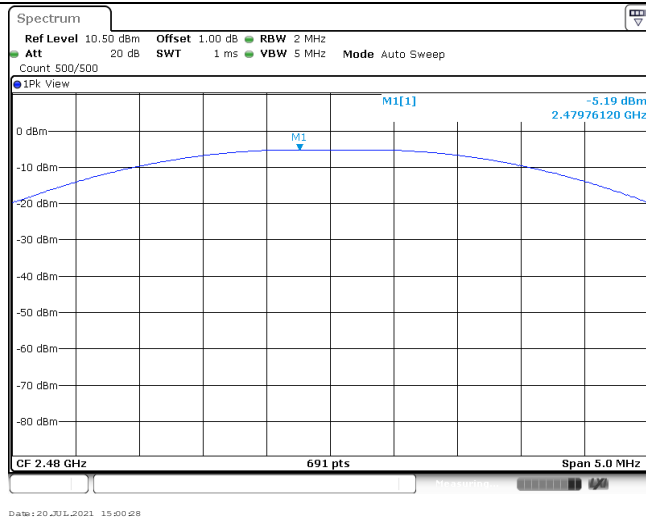
CH00



CH19

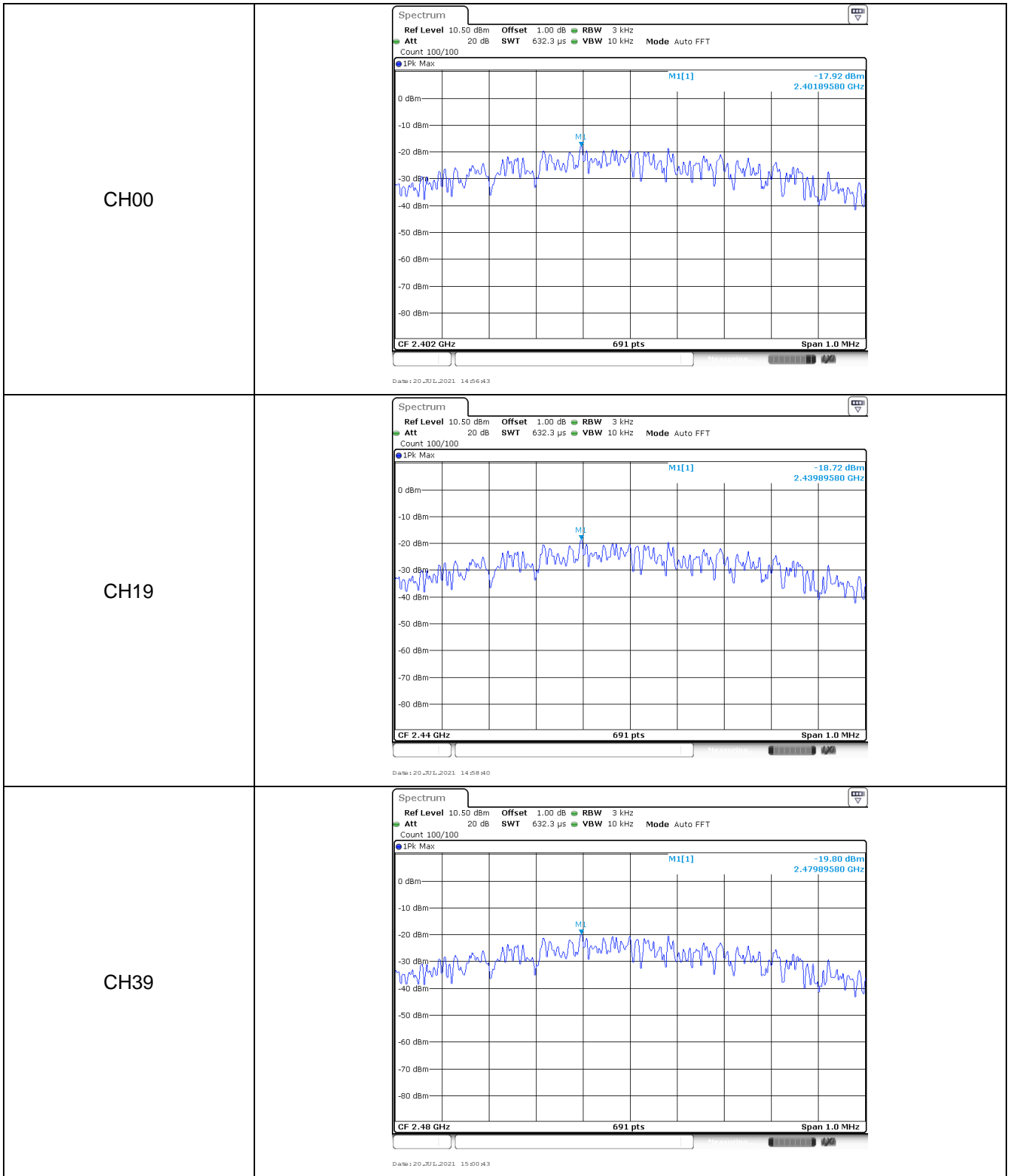


CH39



**Appendix B: Power Spectral Density**

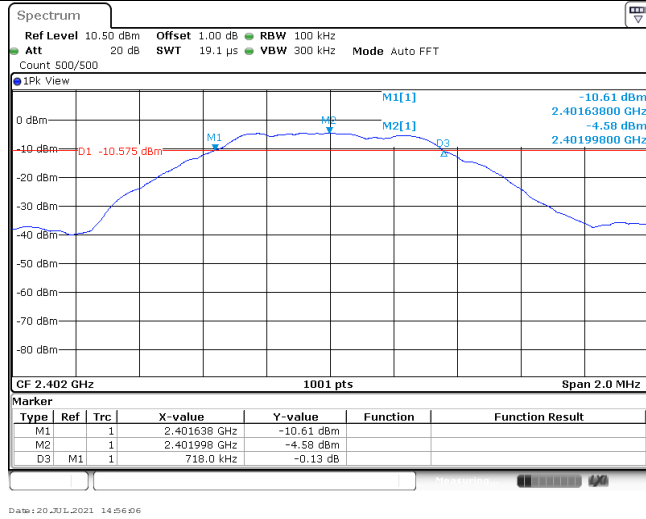
Type	Channel	Power Spectral Density(dBm/3KHz)	Limit (dBm/3KHz)	Result
BT-BLE	00	-17.92	≤8.00	Pass
	19	-18.72		
	39	-19.80		



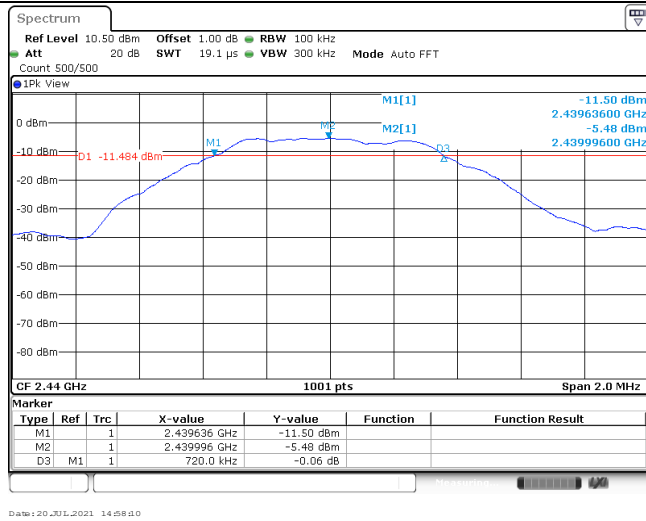
**Appendix C: 6dB bandwidth**

Type	Channel	6dB Bandwidth(kHz)	Limit (kHz)	Result
BT-BLE	00	718.00	≥500	Pass
	19	720.00		
	39	722.00		

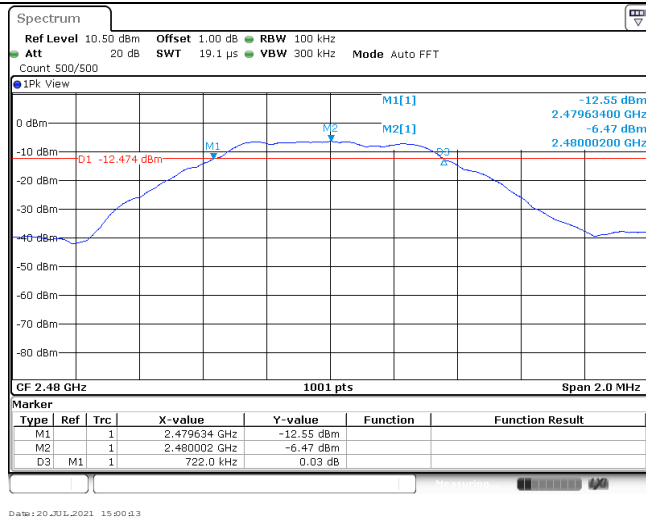
CH00



CH19



CH39



**Appendix D: 99% Occupied Bandwidth**

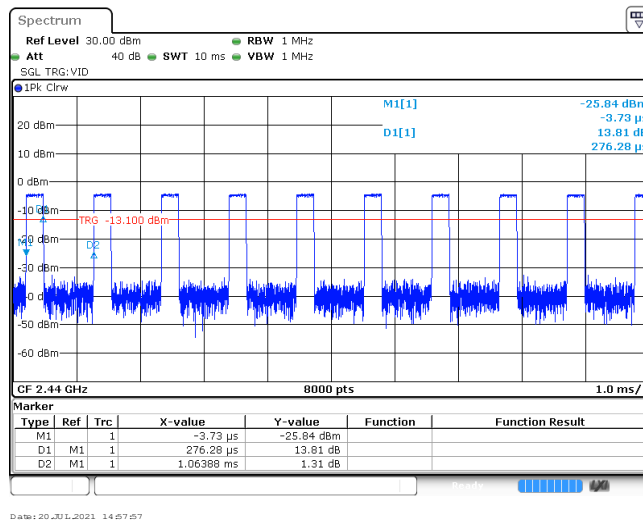
Type	Channel	99% Occupied Bandwidth(MHz)	Limit (kHz)	Result
BT-BLE	00	1.01	-	Pass
	19	1.02		
	39	1.01		



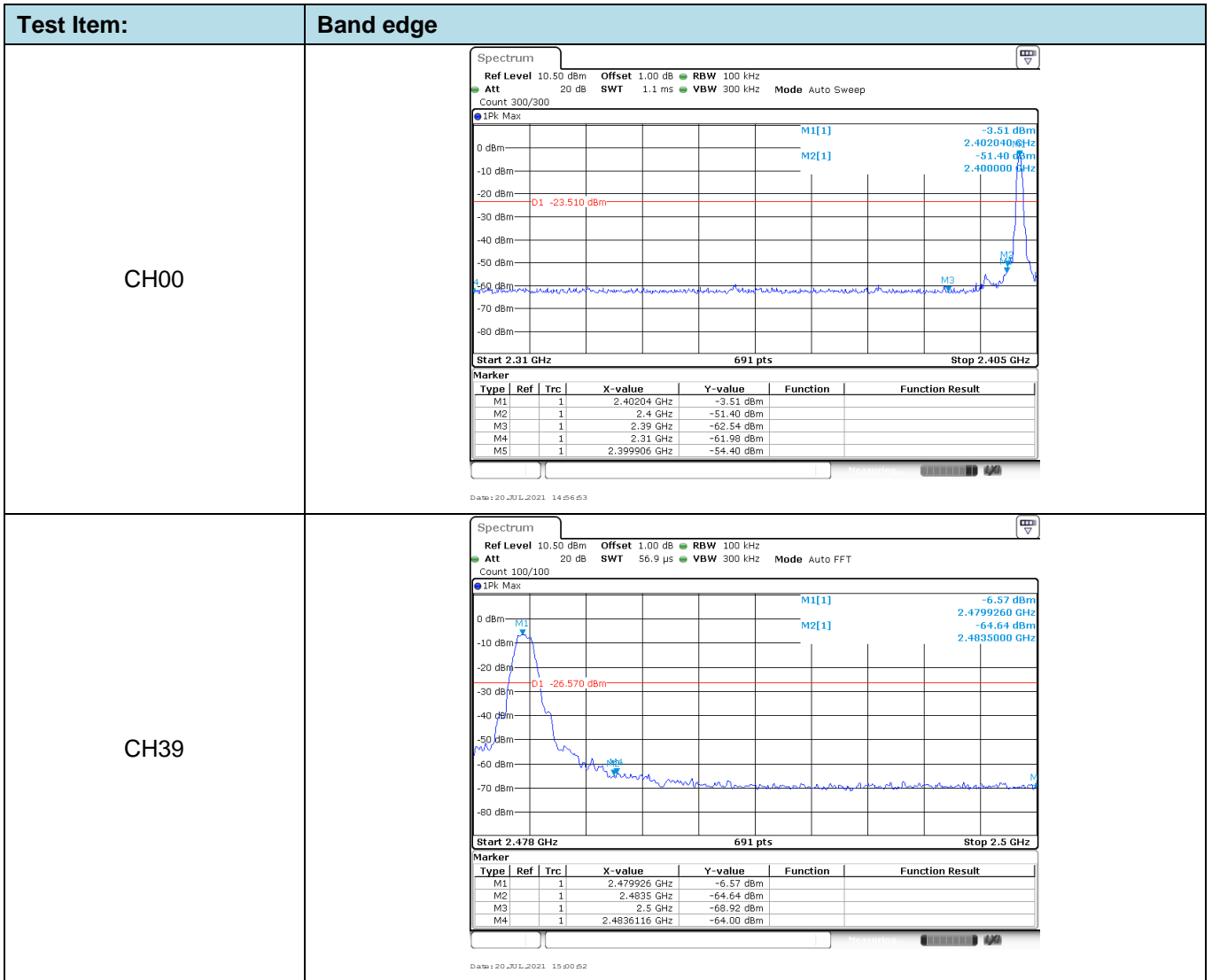


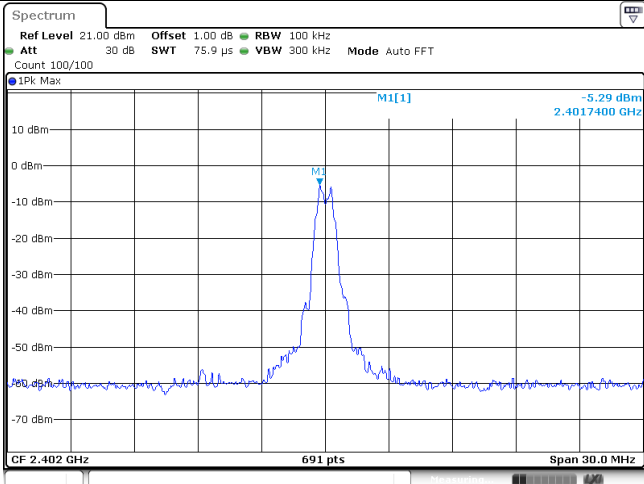
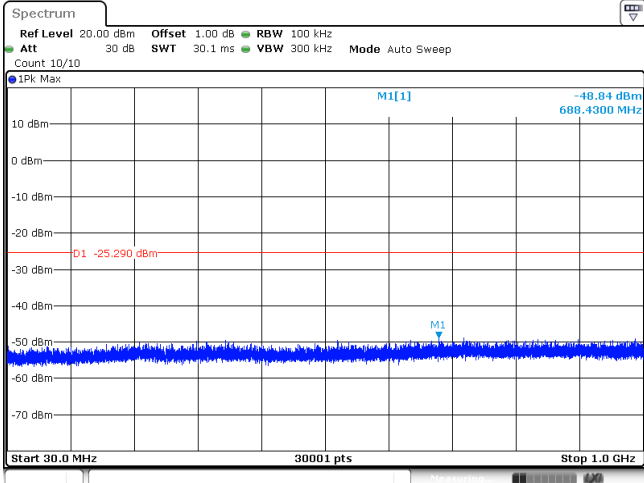
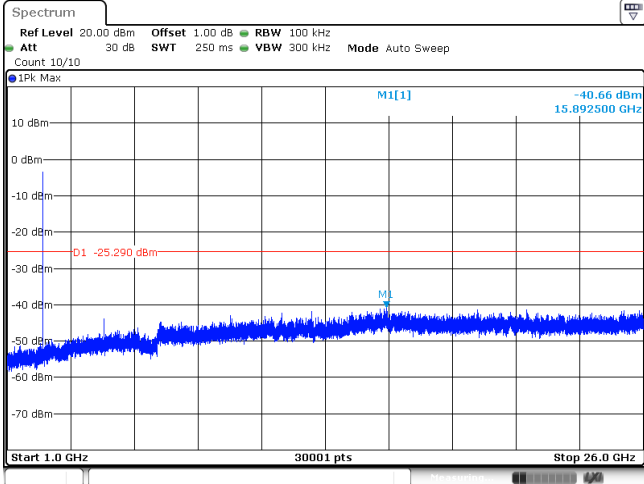
### Appendix E: Duty cycle

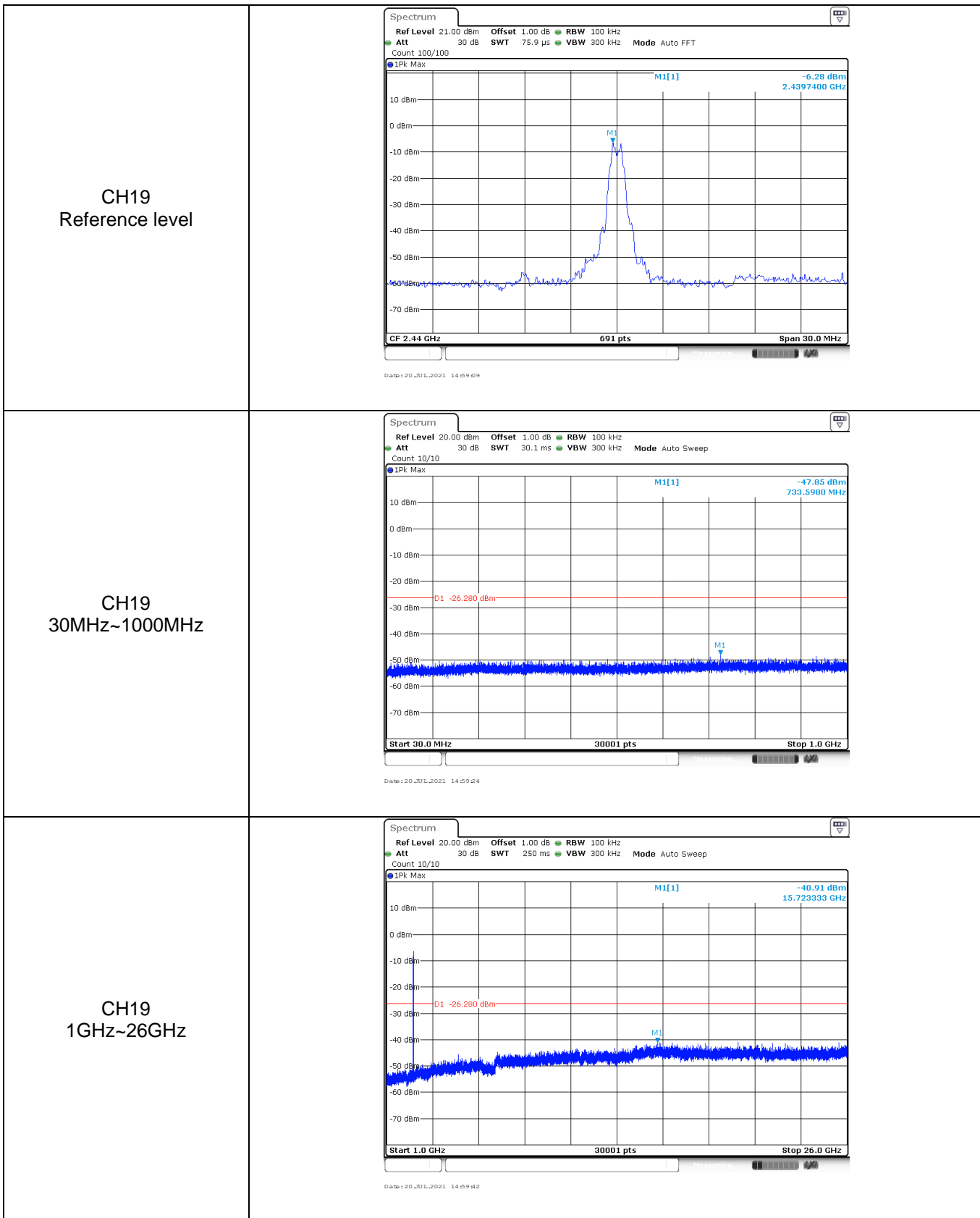
Test Frequency (MHz)	T <sub>on</sub> time for single burst (ms)	T <sub>period</sub> (ms)	Duty cycle	1/T <sub>on</sub> time (kHz)
2440	0.28	1.06	26.4%	3.6

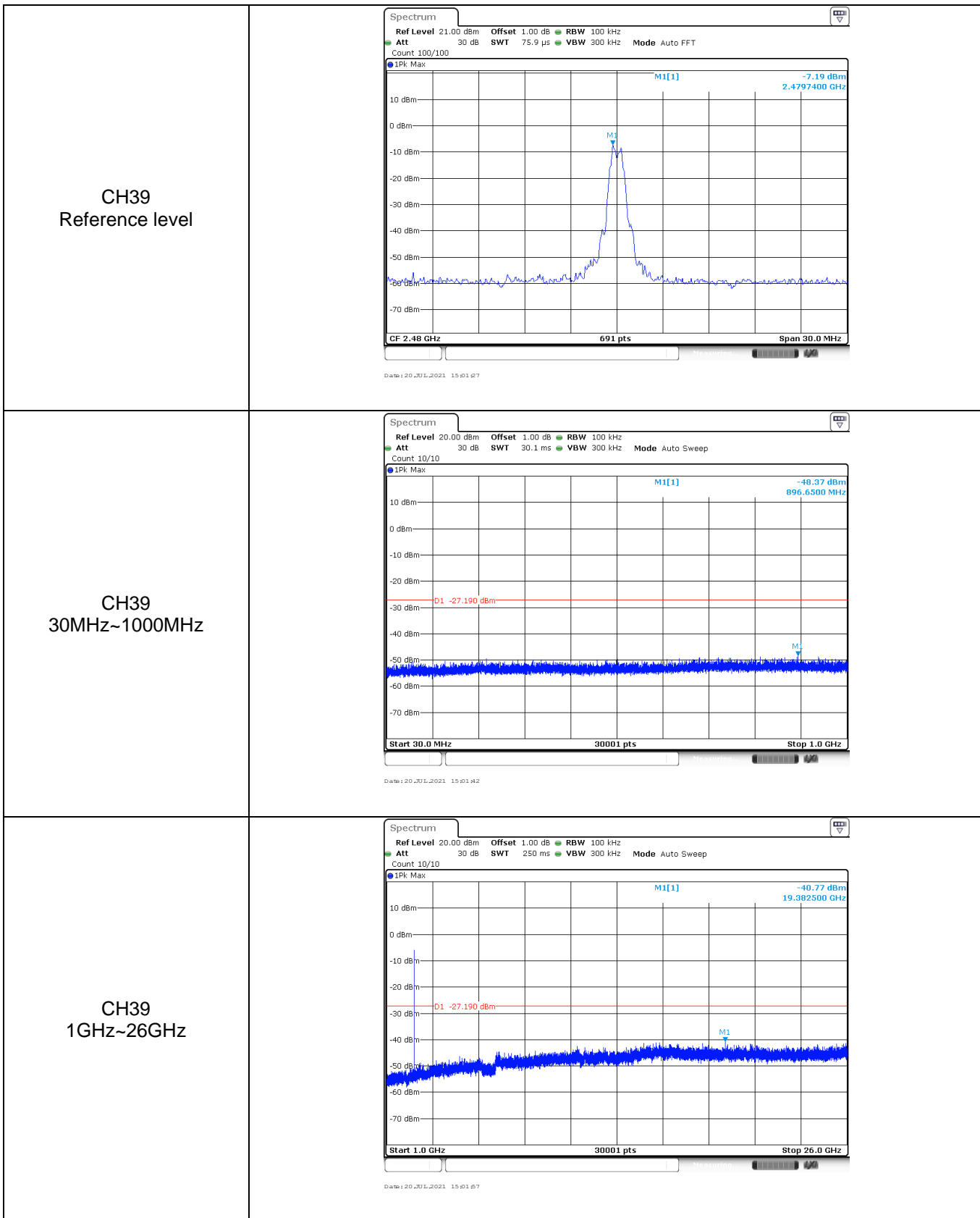


### Appendix F: Band edge and Spurious Emissions (conducted)



Test Item:	SE
<p>CH00 Reference level</p>	 <p>1Pk Max: -5.29 dBm @ 2.4017400 GHz</p> <p>CF 2.402 GHz, 691 pts, Span 30.0 MHz</p> <p>Date: 20 JUL 2021 14:56:59</p>
<p>CH00 30MHz~1000MHz</p>	 <p>1Pk Max: -48.94 dBm @ 688.4300 MHz</p> <p>D1: -25.290 dBm</p> <p>Start 30.0 MHz, 30001 pts, Stop 1.0 GHz</p> <p>Date: 20 JUL 2021 14:57:14</p>
<p>CH00 1GHz~26GHz</p>	 <p>1Pk Max: -40.66 dBm @ 15.892500 GHz</p> <p>D1: -25.290 dBm</p> <p>Start 1.0 GHz, 30001 pts, Stop 26.0 GHz</p> <p>Date: 20 JUL 2021 14:57:29</p>





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