

APPENDIX REPORT

Project No.	SHT2012124105EW	Radio Specification	Bluetooth BLE
Test sample No.	YPHT20121241003	Model No.	M6
Start test date	2021-01-12	Finish date	2021-01-12
Temperature	23.9°C	Humidity	20%
Test Engineer	Hailey Chen	Auditor	Xiaodong Zheo

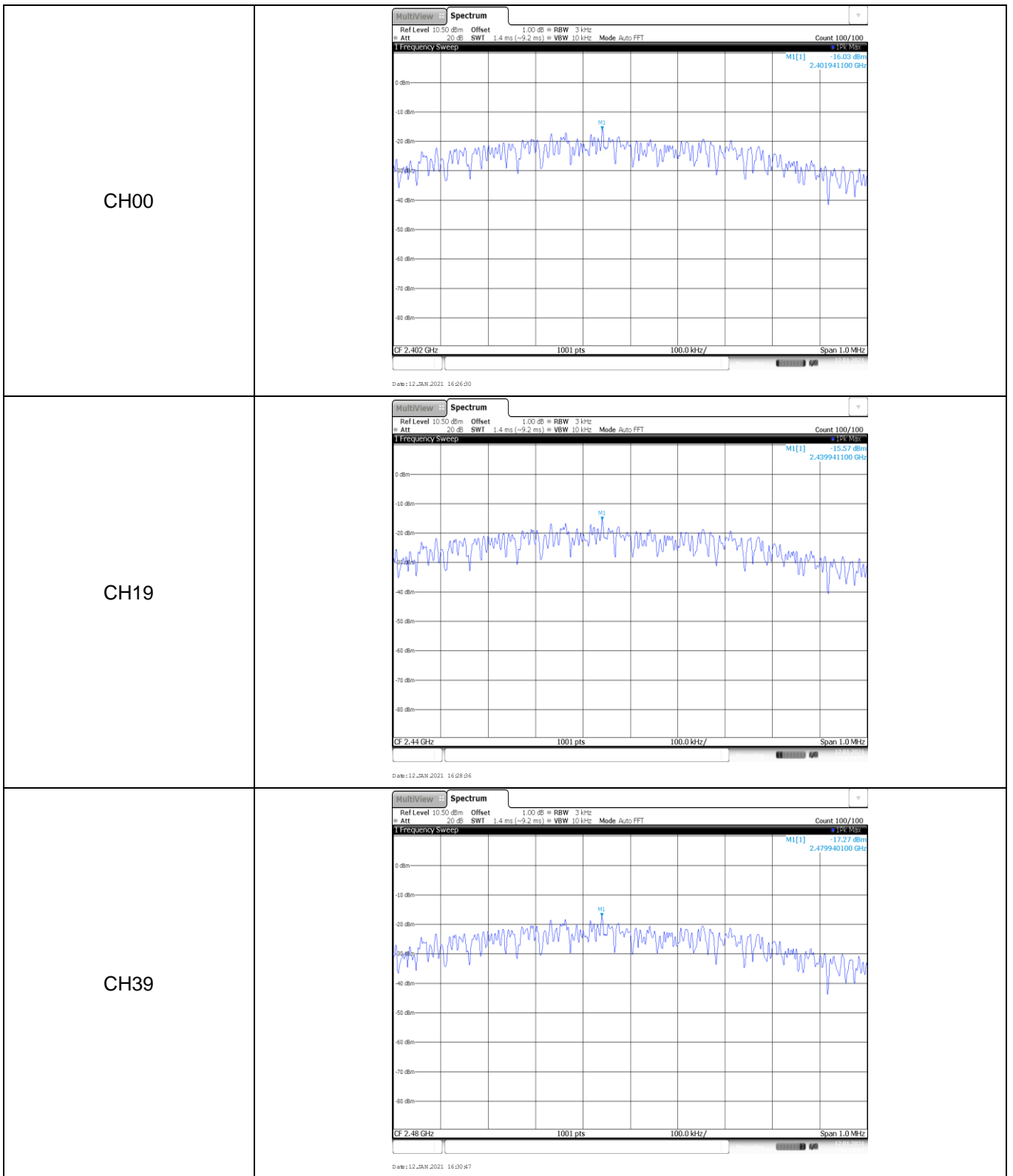
Appendix clause	Test item	Result
A	Peak Output Power	PASS
B	Power Spectral Density	PASS
C	6 dB Bandwidth	PASS
D	99% Occupied Bandwidth	PASS
E	Duty cycle	PASS
F	Band edge and Spurious Emissions (conducted)	PASS

Appendix A: Peak Output Power

Type	Channel	Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
BT-BLE	00	-0.63	-0.64	≤ 30.00	Pass
	19	-0.32	-0.31		
	39	-2.03	-2.05		

Appendix B: Power Spectral Density

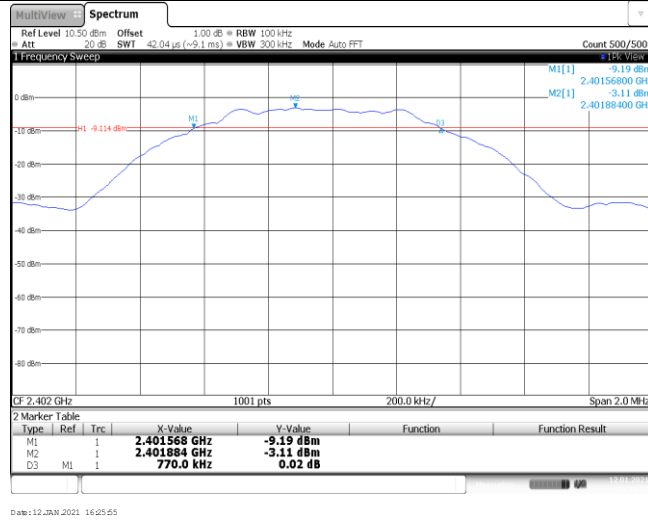
Type	Channel	Power Spectral Density(dBm/3KHz)	Limit (dBm/3KHz)	Result
BT-BLE	00	-16.03	≤8.00	Pass
	19	-15.57		
	39	-17.27		



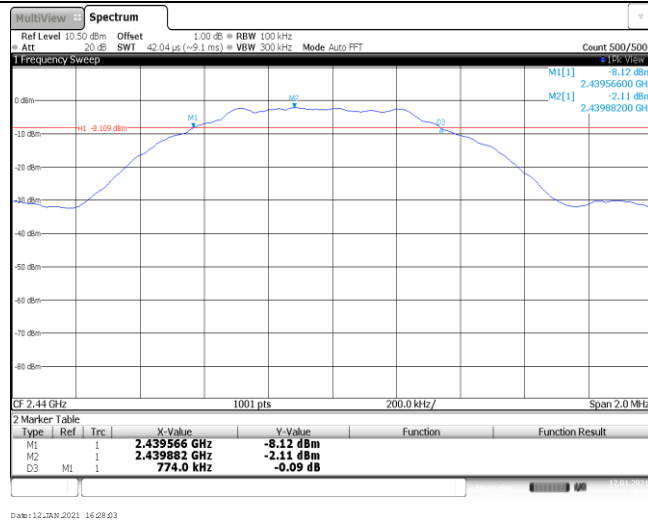
Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth(kHz)	Limit (kHz)	Result
BT-BLE	00	770.00	≥500	Pass
	19	774.00		
	39	770.00		

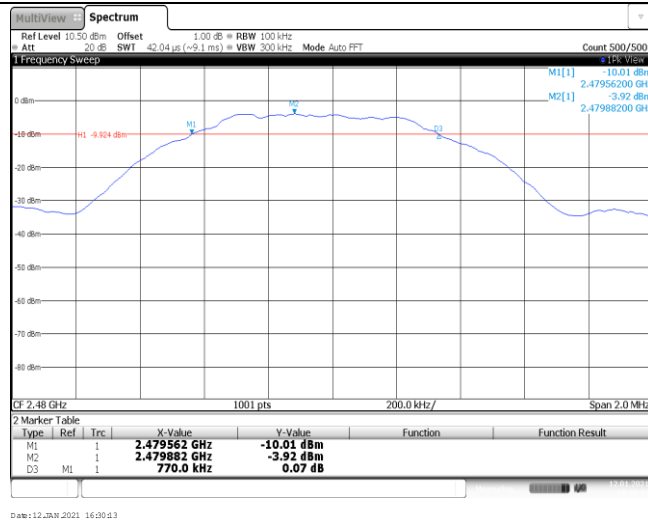
CH00



CH19



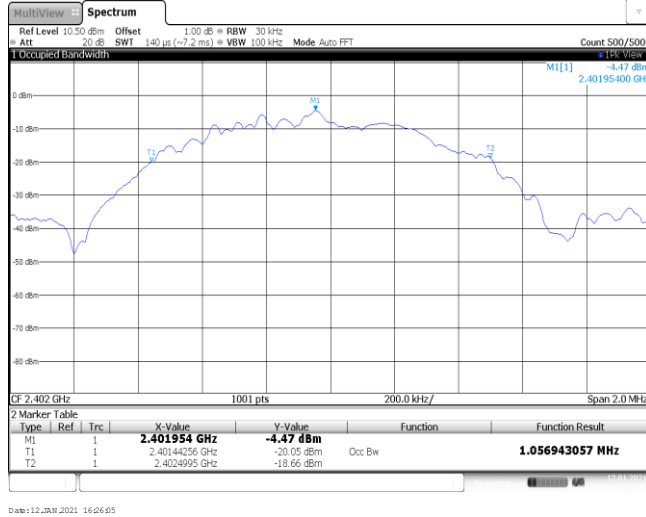
CH39



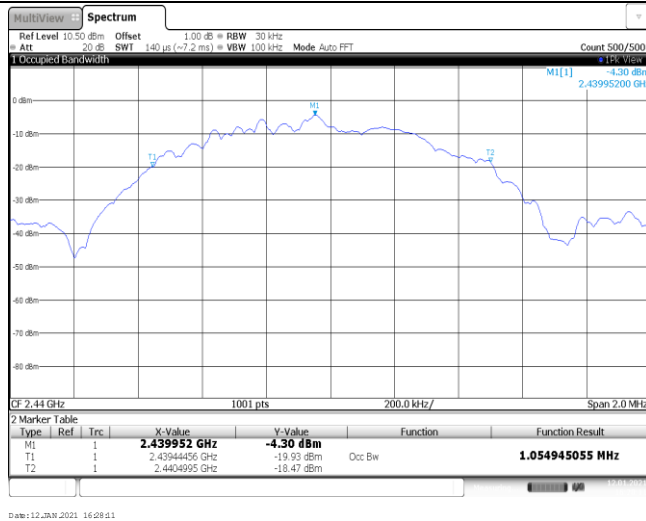
Appendix D: 99% Occupied Bandwidth

Type	Channel	99% Occupied Bandwidth(MHz)	Limit (kHz)	Result
BT-BLE	00	1.06	-	Pass
	19	1.05		
	39	1.05		

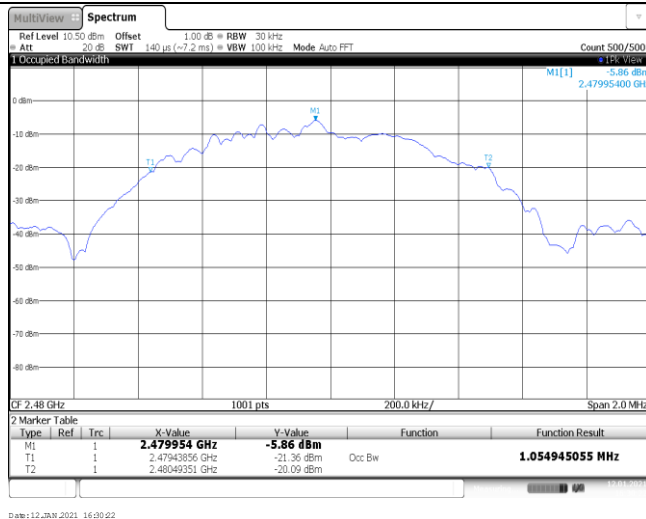
CH00



CH19

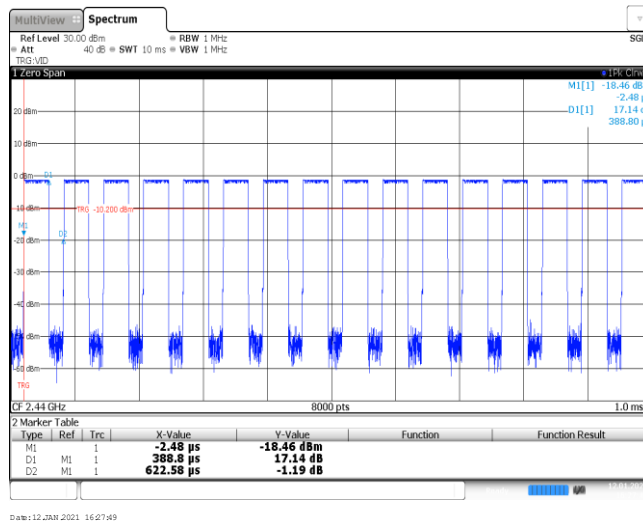


CH39

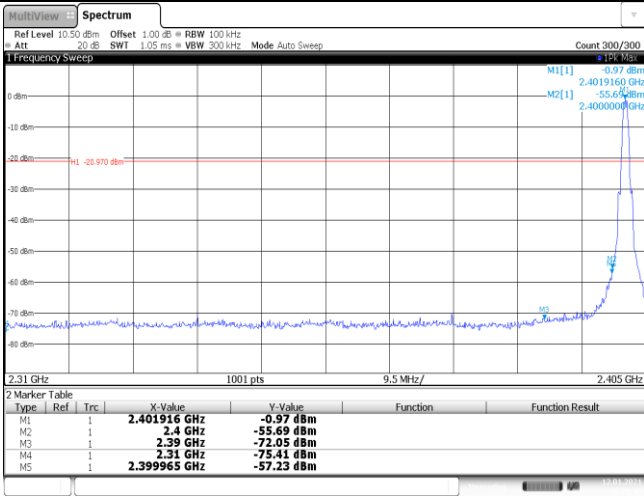
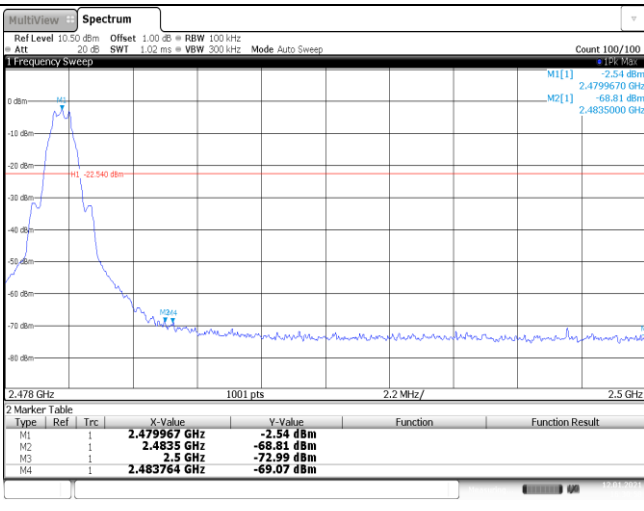


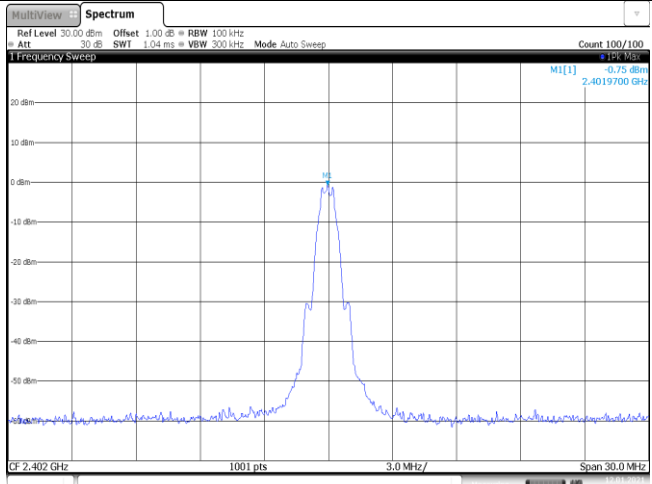
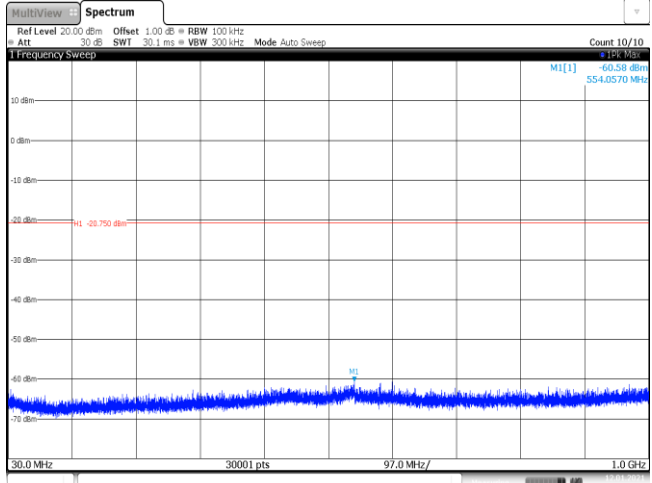
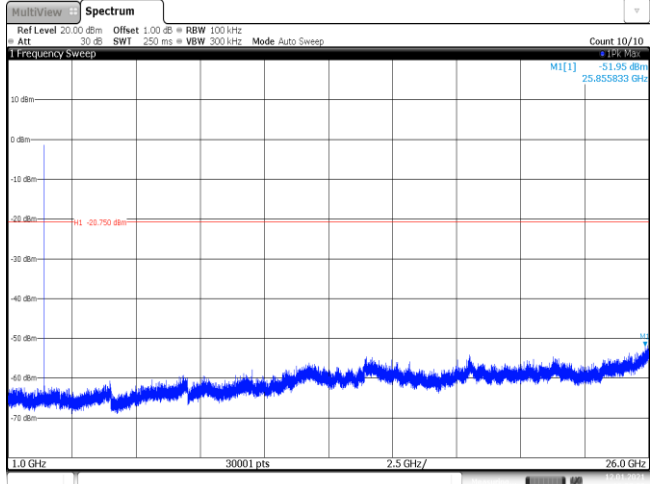
Appendix E: Duty cycle

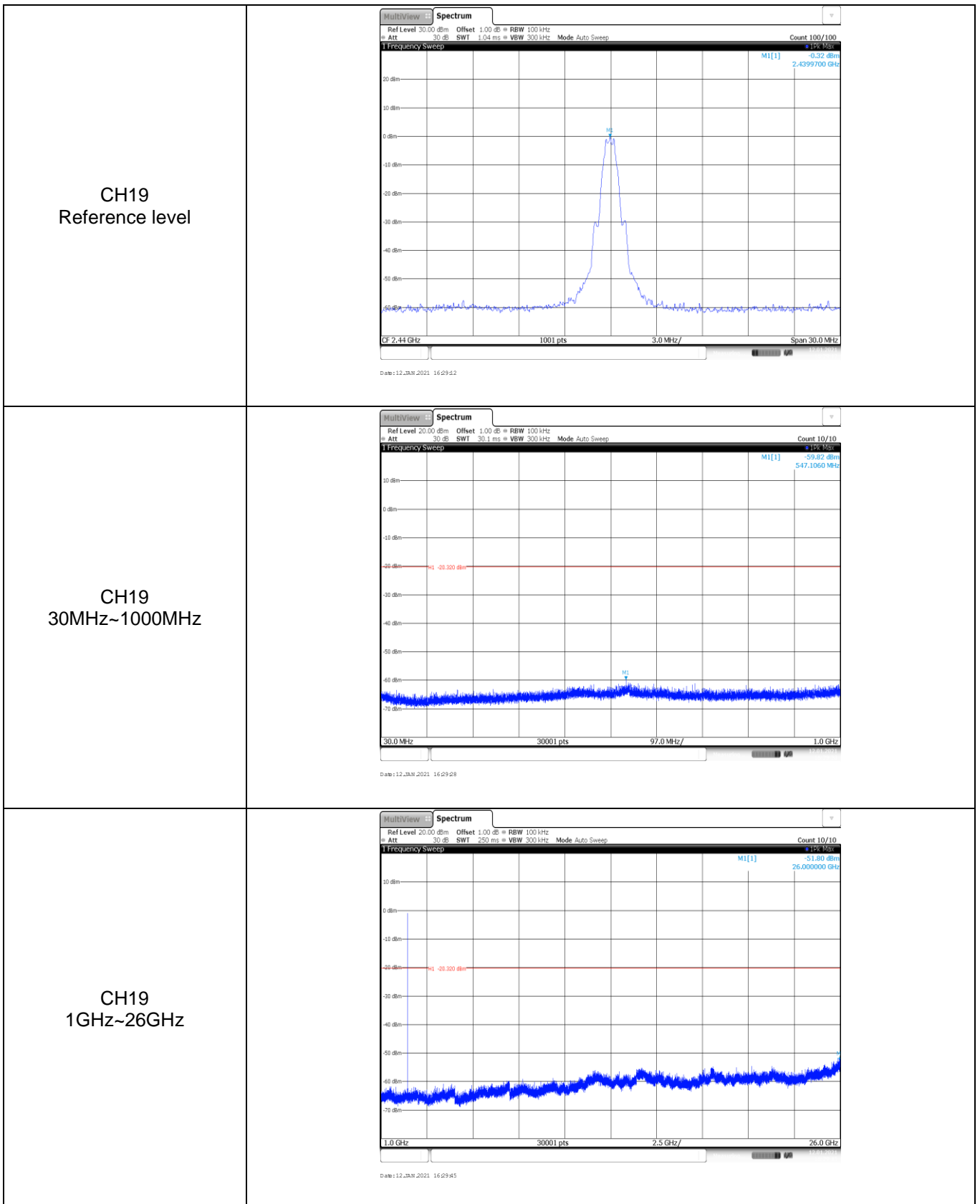
Test Frequency (MHz)	T _{on} time for single burst (ms)	T _{period} (ms)	Duty cycle	1/T _{on} time (kHz)
2440	0.39	0.62	62.9%	2.6

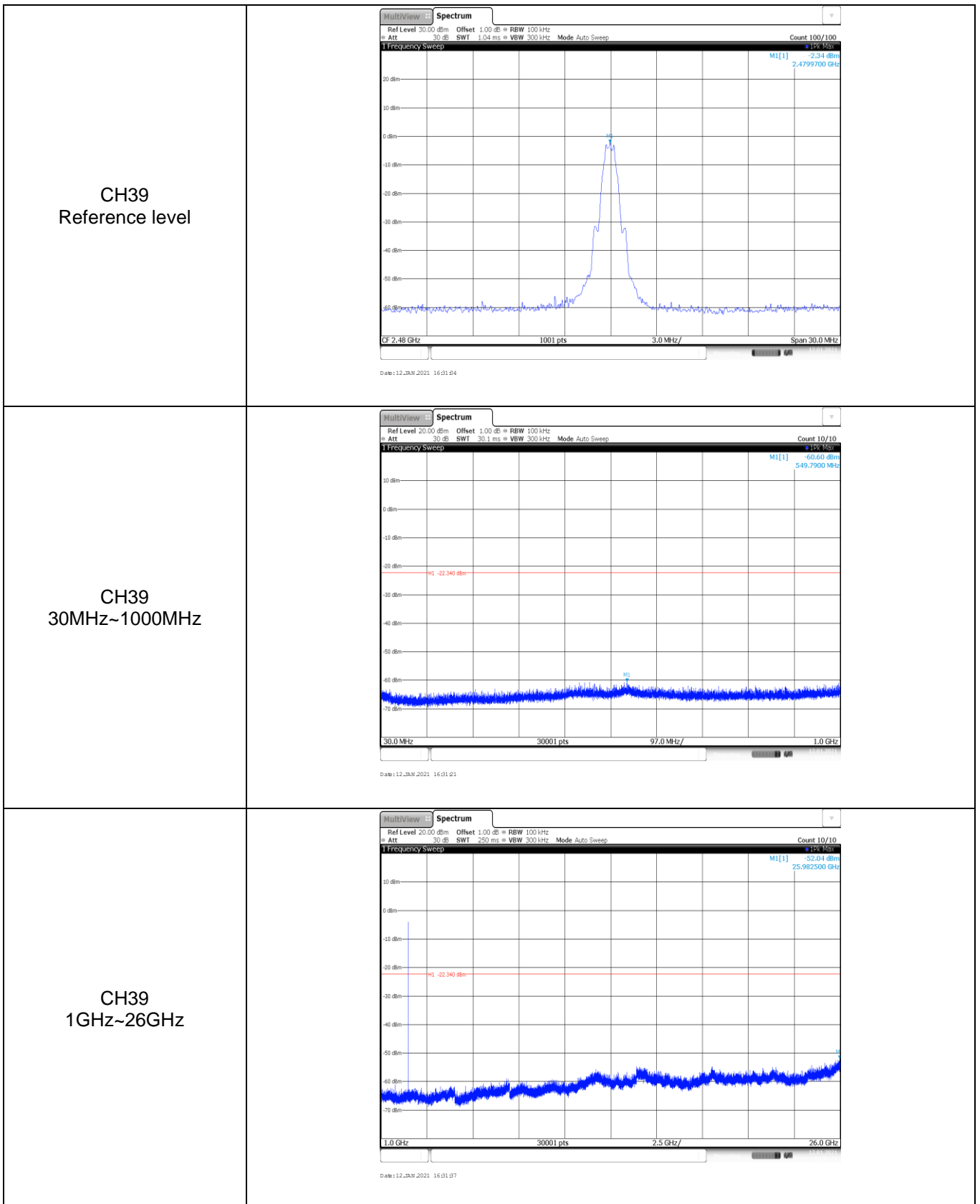


Appendix F: Band edge and Spurious Emissions (conducted)

Test Item:	Band edge
<p style="text-align: center;">CH00</p>	 <p style="text-align: right;">Date: 12_JAN 2021 16:26:40</p>
<p style="text-align: center;">CH39</p>	 <p style="text-align: right;">Date: 12_JAN 2021 16:30:57</p>

Test Item:	SE
<p>CH00 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 MI[1] 0.75 dBm 2.4019700 GHz CF 2.402 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 12_JAN 2021 16:26:48</p>
<p>CH00 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 MI[1] -60.58 dBm 554.8570 MHz H1 -20.790 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 12_JAN 2021 16:27:04</p>
<p>CH00 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 MI[1] -51.95 dBm 25.653633 GHz H1 -20.790 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 12_JAN 2021 16:27:20</p>





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