

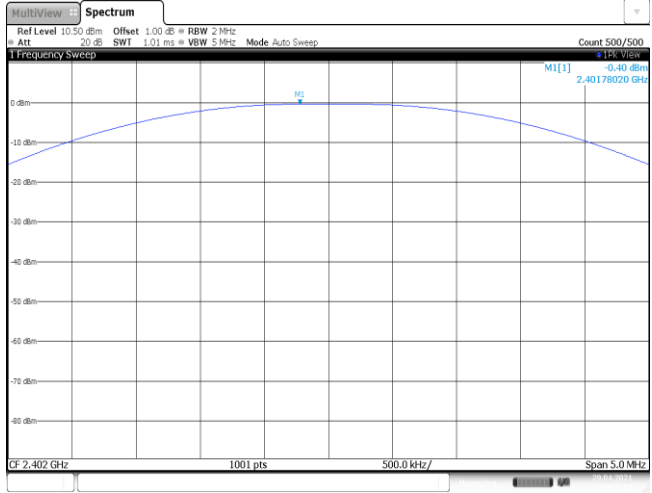
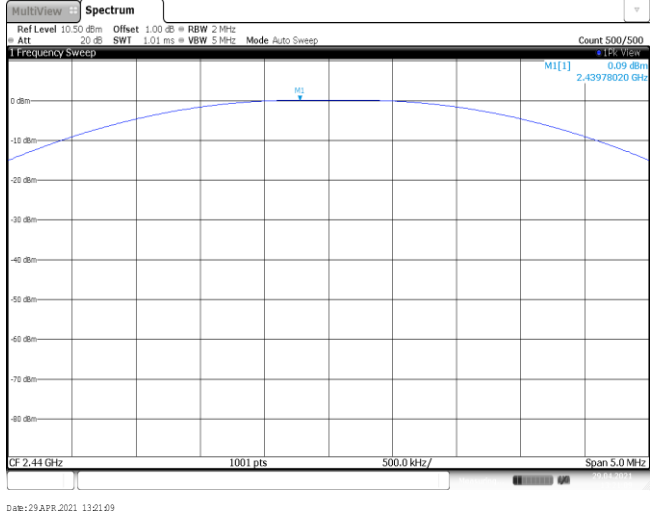
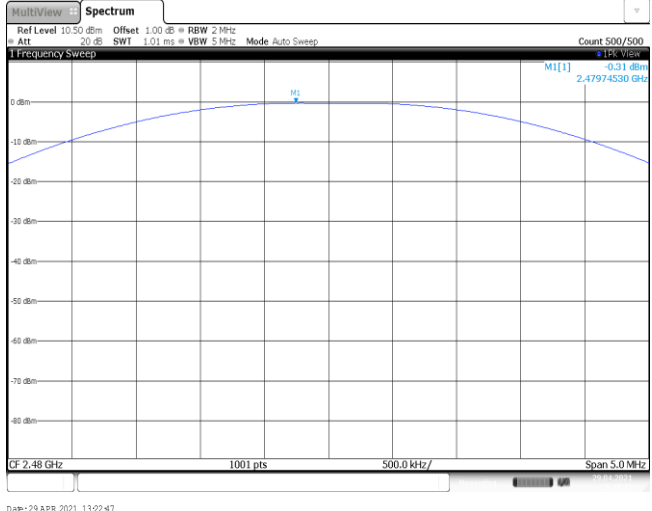
# APPENDIX REPORT

Project No.	SHT2104043102EW	Radio Specification	Bluetooth BLE
Test sample No.	YPHT21040431002	Model No.	M2
Start test date	2021-04-29	Finish date	2021-04-29
Temperature	24.1°C	Humidity	36%
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

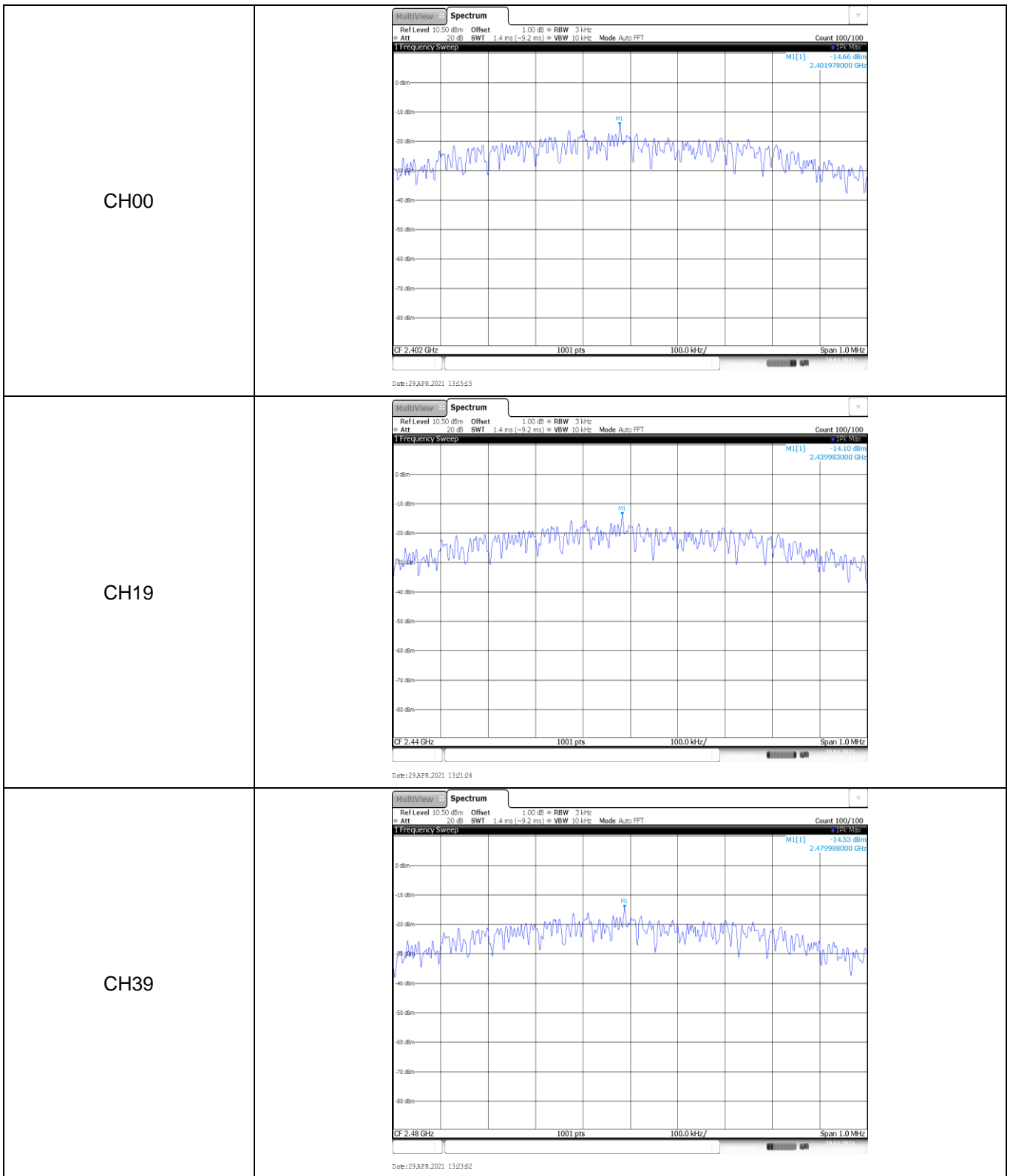
**Appendix A: Peak Output Power**

Type	Channel	Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
BT-BLE	00	-0.40	-0.41	≤ 30.00	Pass
	19	0.09	0.07		
	39	-0.31	-0.30		

<p>CH00</p>	 <p>Date: 29 APR, 2021 13:15:00</p>
<p>CH19</p>	 <p>Date: 29 APR, 2021 13:21:09</p>
<p>CH39</p>	 <p>Date: 29 APR, 2021 13:22:47</p>

**Appendix B: Power Spectral Density**

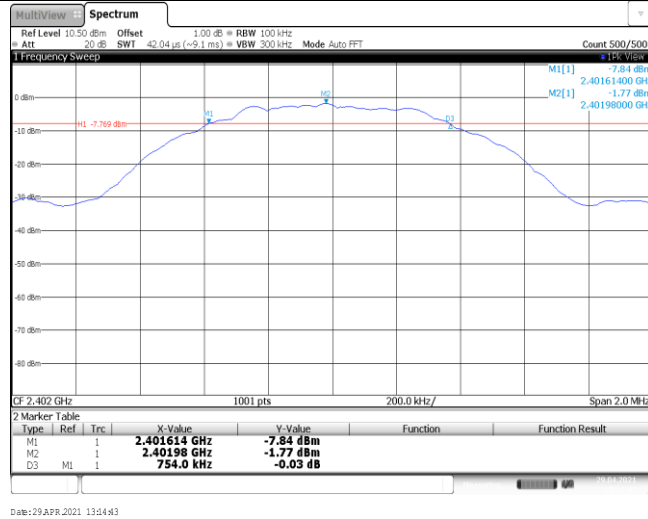
Type	Channel	Power Spectral Density(dBm/3KHz)	Limit (dBm/3KHz)	Result
BT-BLE	00	-14.66	≤8.00	Pass
	19	-14.10		
	39	-14.53		



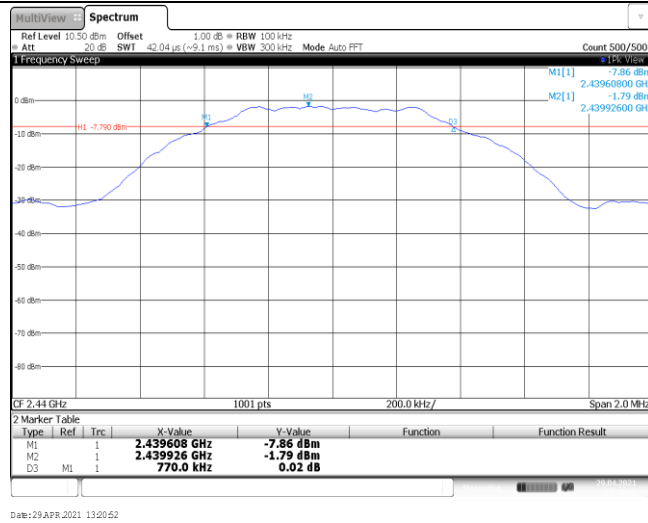
**Appendix C: 6dB bandwidth**

Type	Channel	6dB Bandwidth(kHz)	Limit (kHz)	Result
BT-BLE	00	754.00	≥500	Pass
	19	770.00		
	39	774.00		

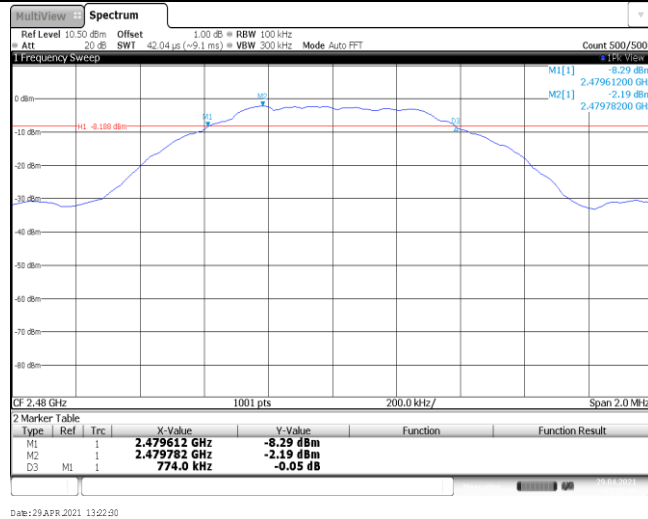
CH00



CH19



CH39

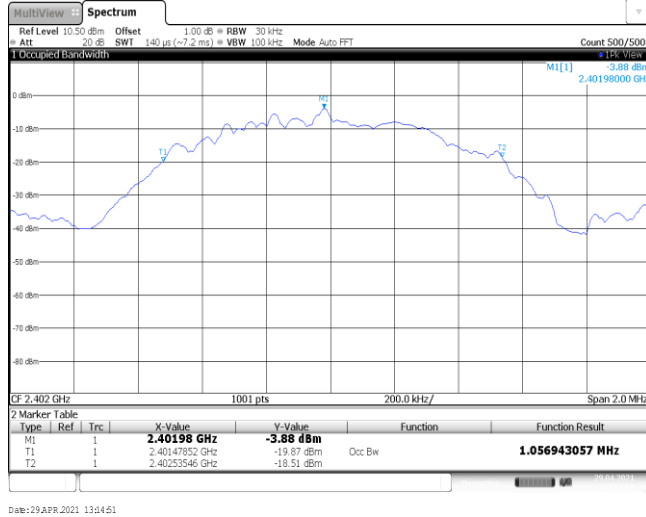


**Appendix D: 99% Occupied Bandwidth**

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



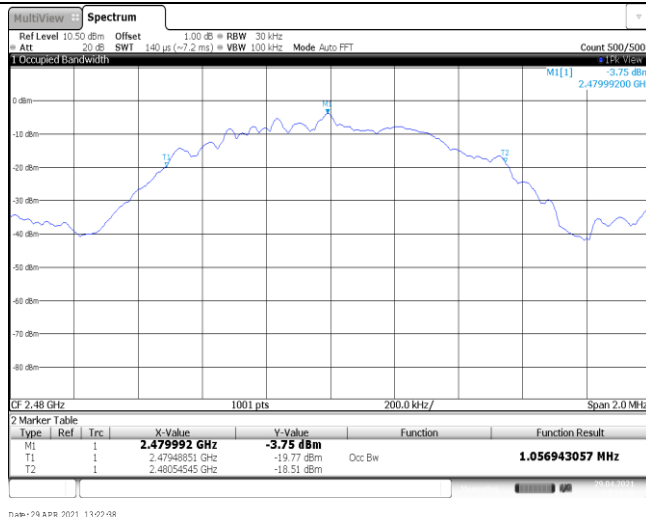
CH00



CH19

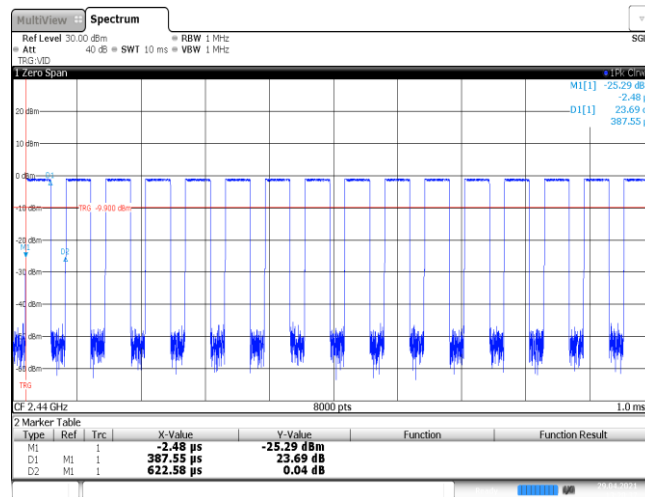


CH39



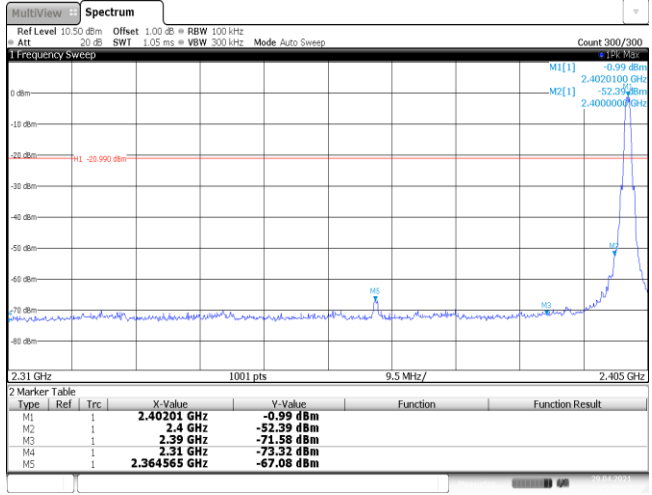
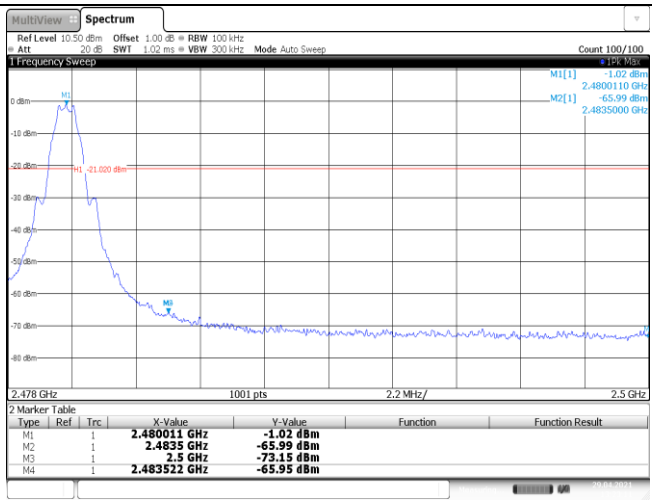
### Appendix E: Duty cycle

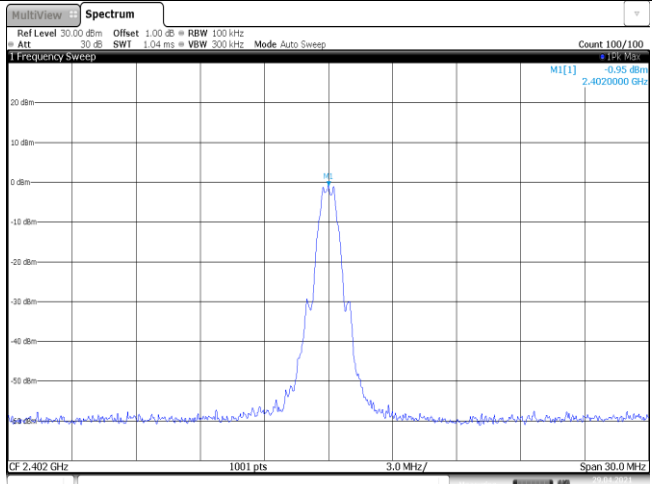
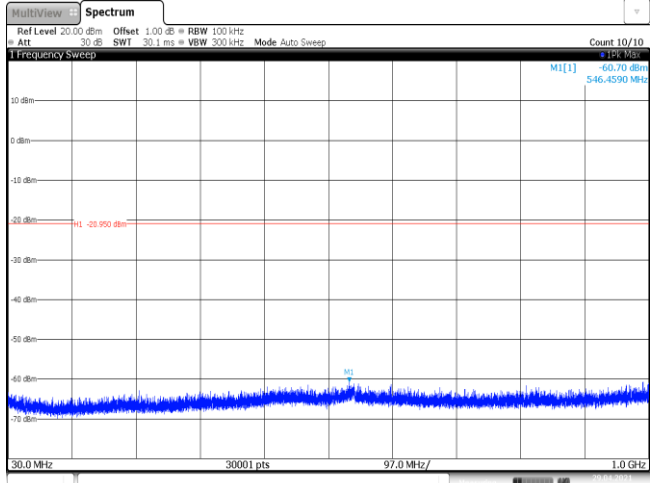
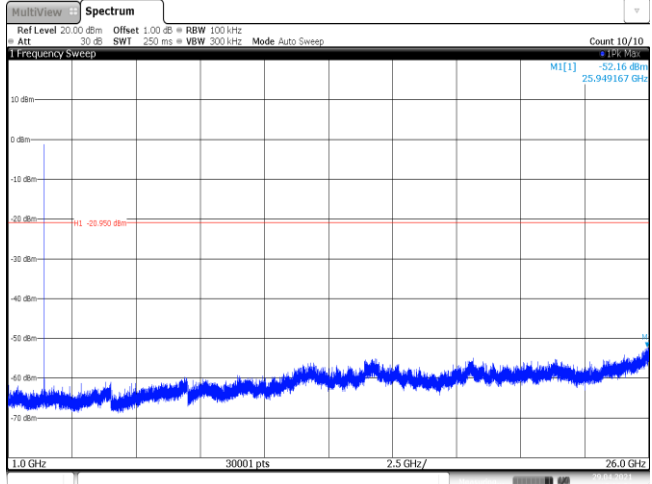
Test Frequency (MHz)	T <sub>on</sub> time for single burst (ms)	T <sub>period</sub> (ms)	Duty cycle	1/T <sub>on</sub> time (kHz)
2440	0.39	0.62	62.9%	2.6

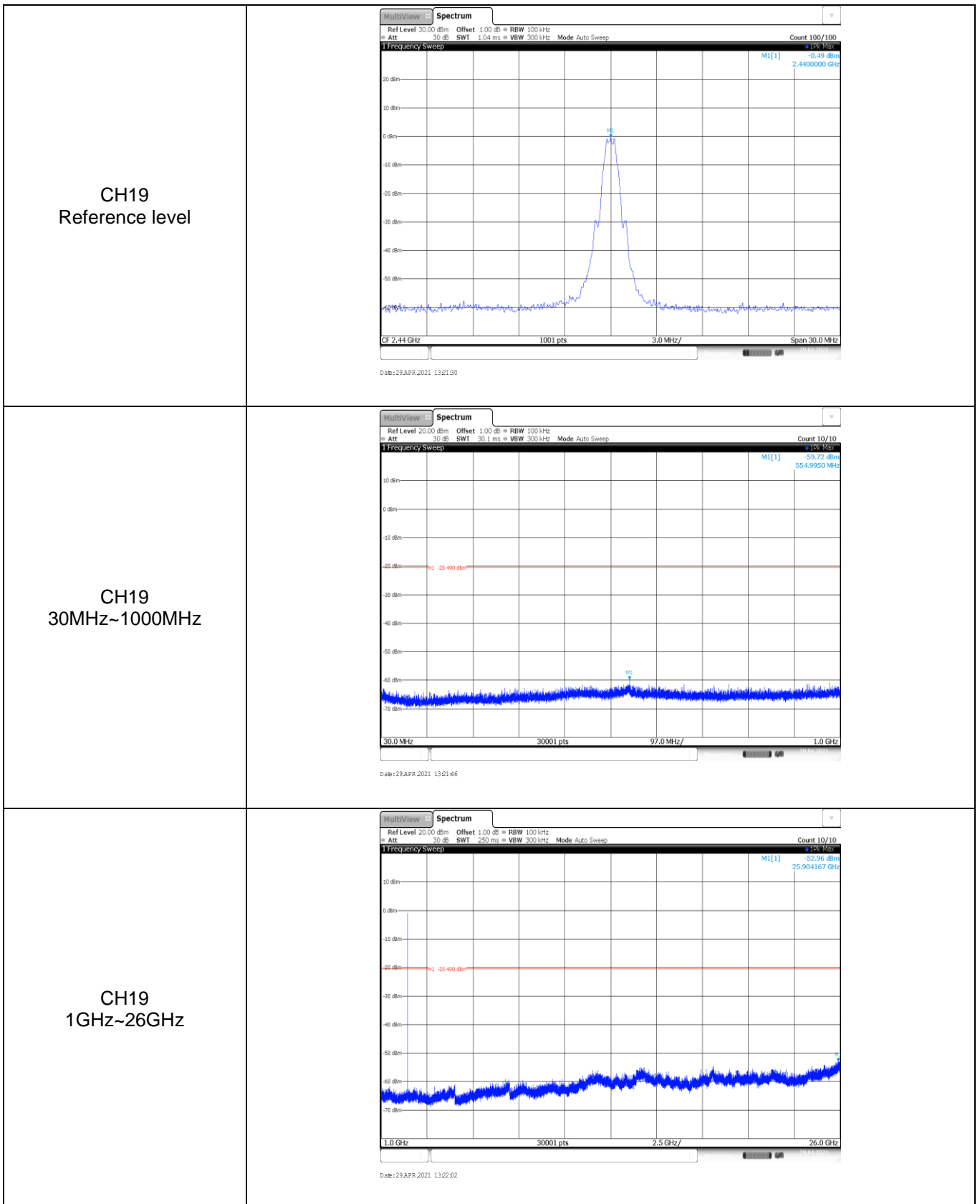


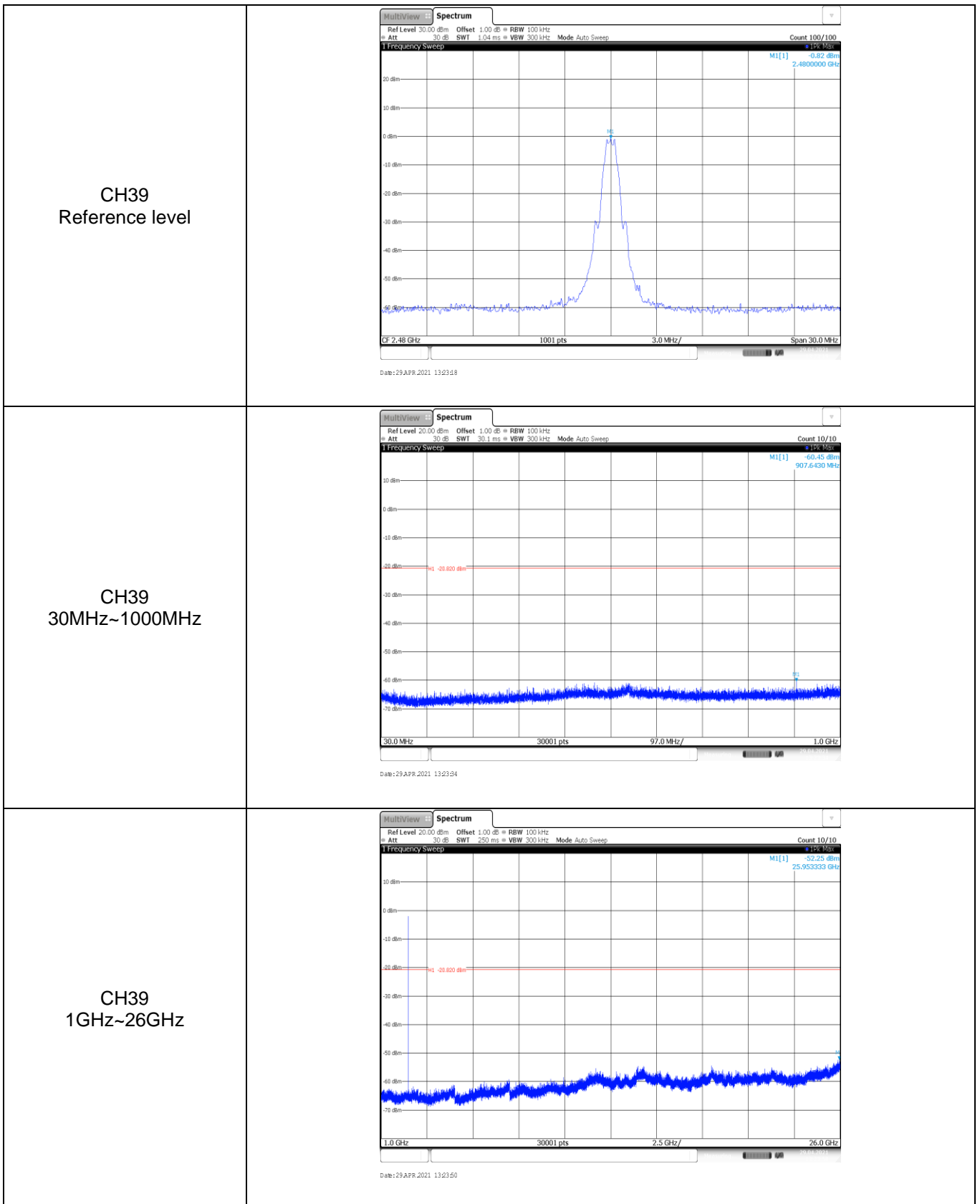
Date: 29 APR 2021 13:20:37

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

Test Item:	Band edge
<p style="text-align: center;">CH00</p>	 <p style="text-align: center;">Date: 29 APR 2021 13:25:47</p>
<p style="text-align: center;">CH39</p>	 <p style="text-align: center;">Date: 29 APR 2021 13:23:42</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] -0.95 dBm 2.4020000 GHz Date: 29 APR 2021 13:15:32</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] -60.70 dBm 546.4590 MHz MI -20.990 dBm Date: 29 APR 2021 13:15:48</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] -52.16 dBm 25.949167 GHz MI -20.990 dBm Date: 29 APR 2021 13:16:04</p>





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