

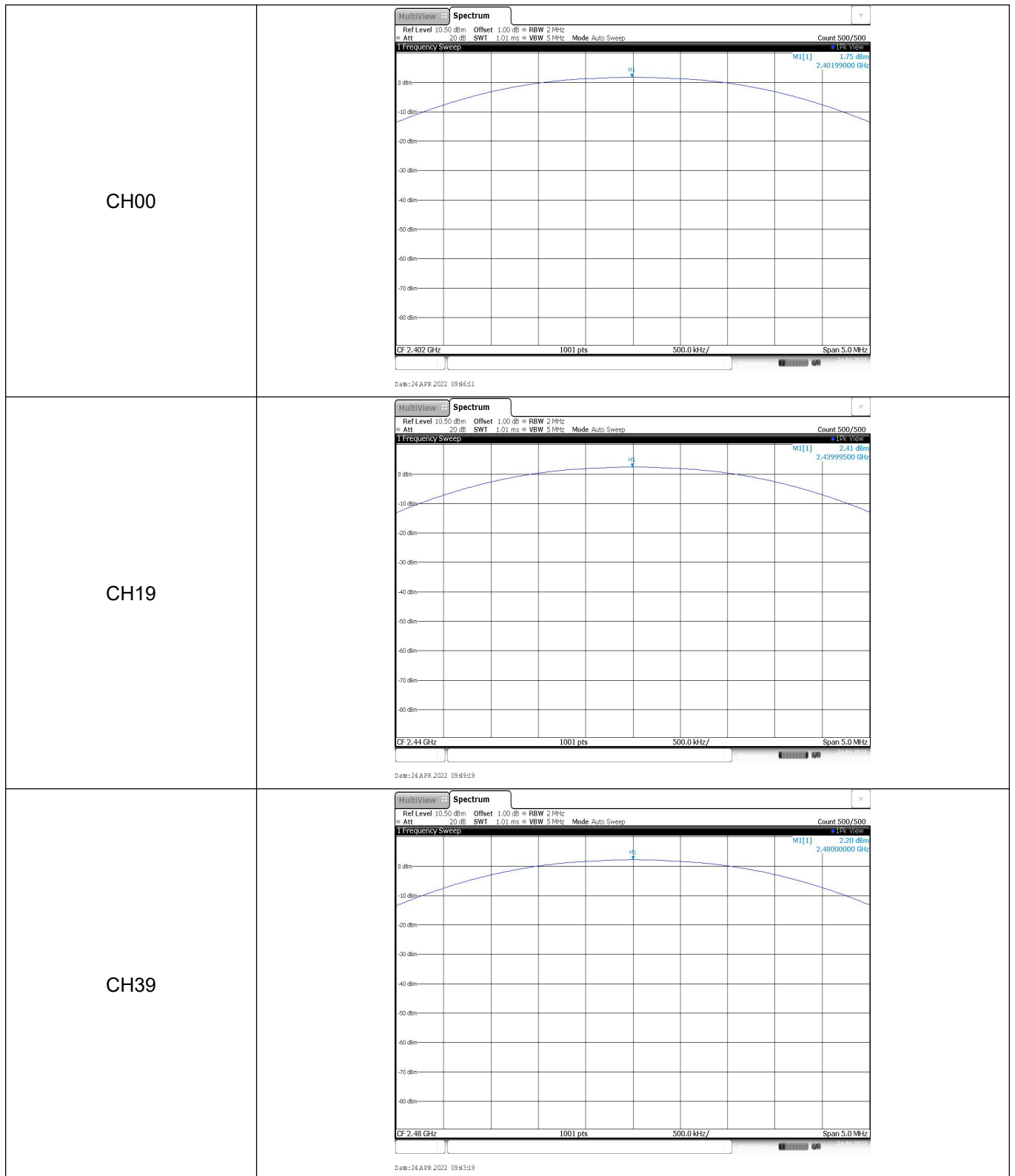
APPENDIX REPORT

Project No.	SHT2204017202EW	Radio Specification	Bluetooth BLE
Test sample No.	YPHT2204172008	Model No.	ABX00051
Start test date	2022-04-24	Finish date	2022-04-24
Temperature	24.8℃	Humidity	45%
Test Engineer	Xiaoqin Li	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

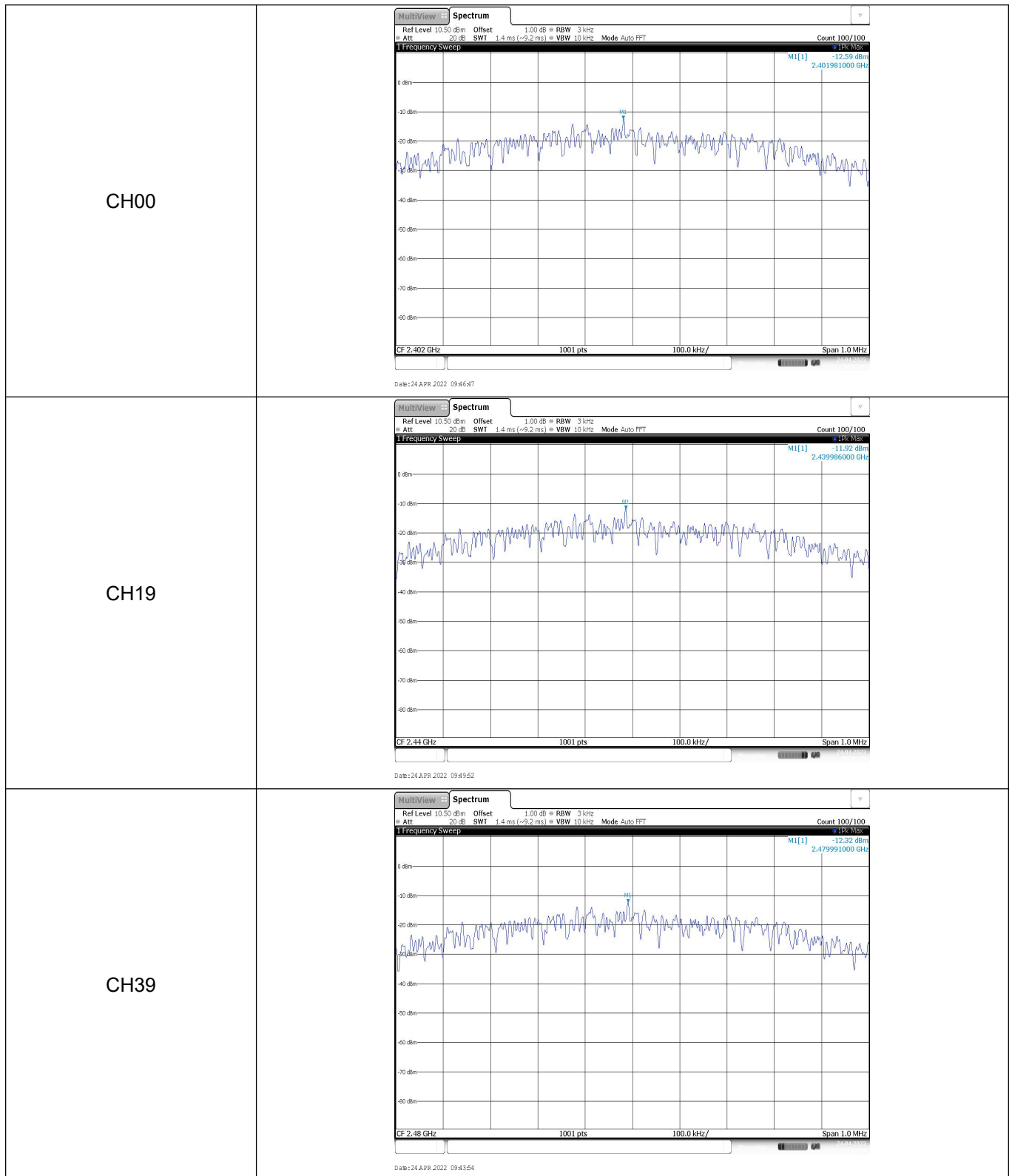
Appendix A: Peak Output Power

Type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
BT-BLE	00	1.75	1.71	≤ 30.00	Pass
	19	2.41	2.37		
	39	2.20	2.15		



Appendix B: Power Spectral Density

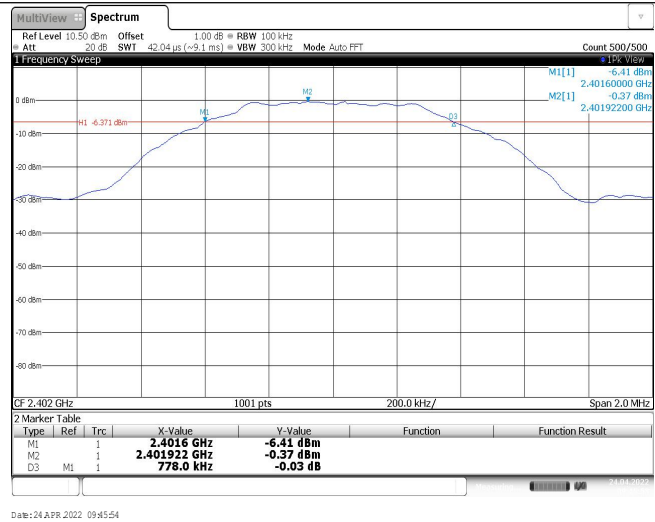
Type	Channel	Power Spectral Density(dBm/3KHz)	Limit (dBm/3KHz)	Result
BT-BLE	00	-12.59	≤8.00	Pass
	19	-11.92		
	39	-12.32		



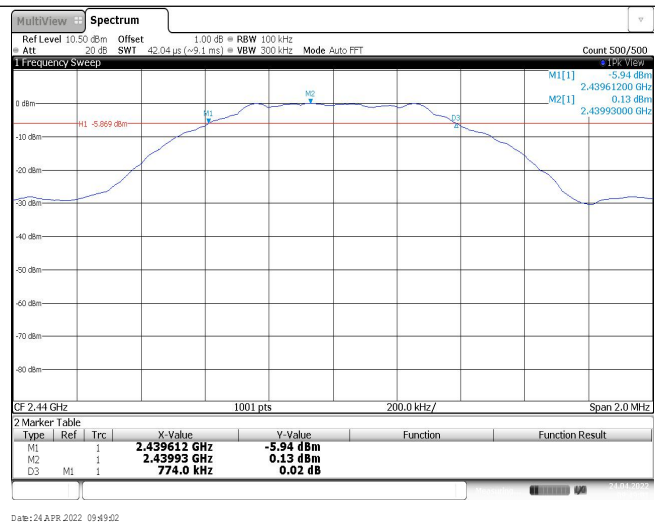
Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth(kHz)	Limit (kHz)	Result
BT-BLE	00	778.00	≥500	Pass
	19	774.00		
	39	776.00		

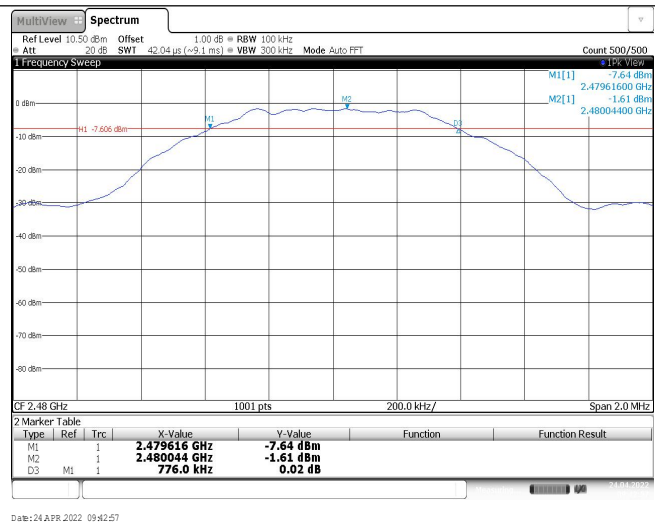
CH00



CH19



CH39



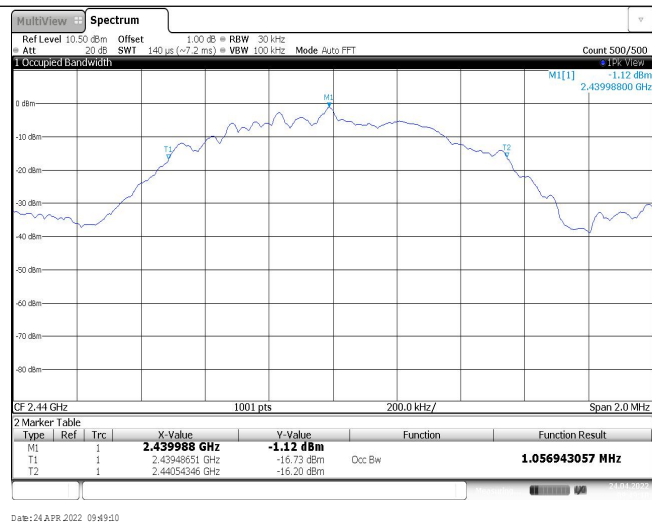
Appendix D: 99% Occupied Bandwidth

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

CH00



CH19

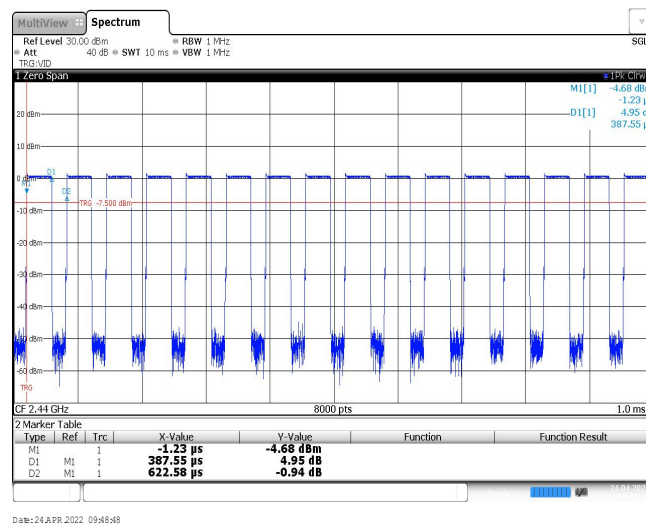


CH39



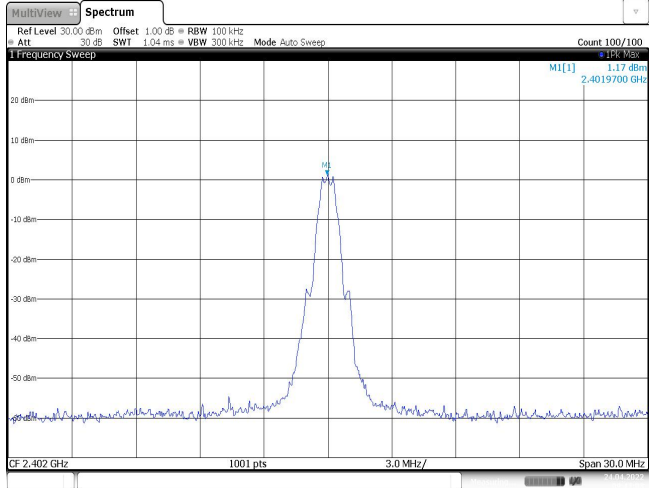
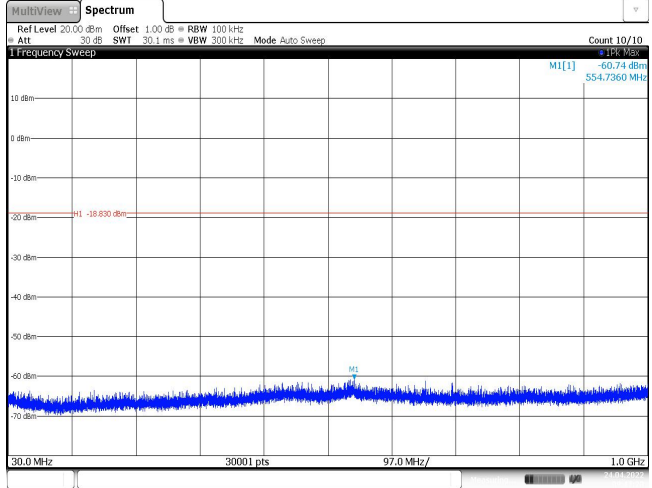
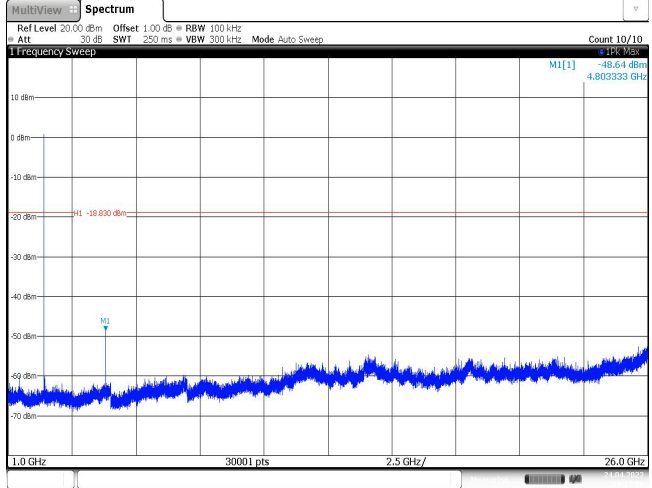
Appendix E: Duty cycle

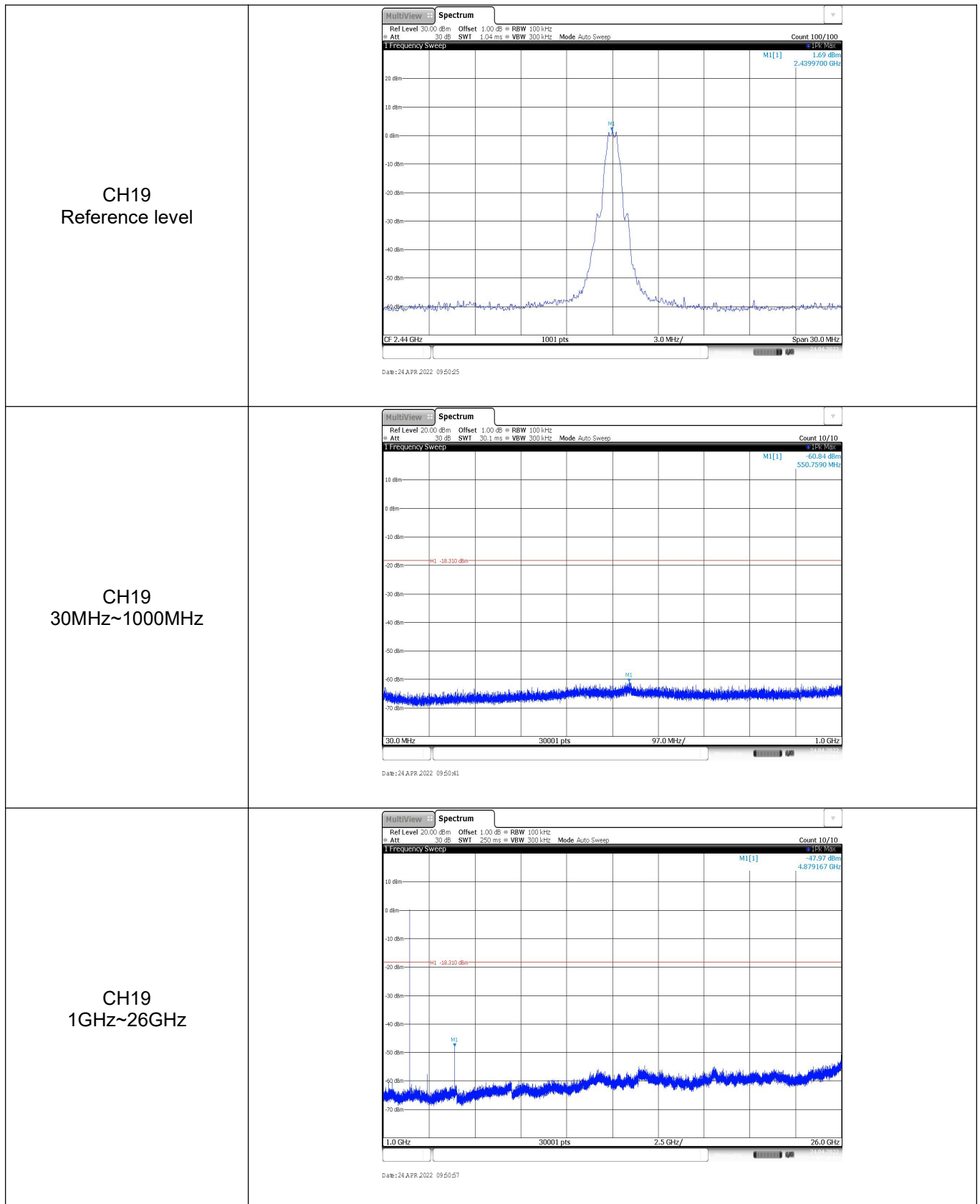
Test Frequency (MHz)	T _{on} time for single burst (ms)	T _{period} (ms)	Duty cycle	1/T _{on} time (kHz)
2440	0.39	0.62	62.9%	2.56

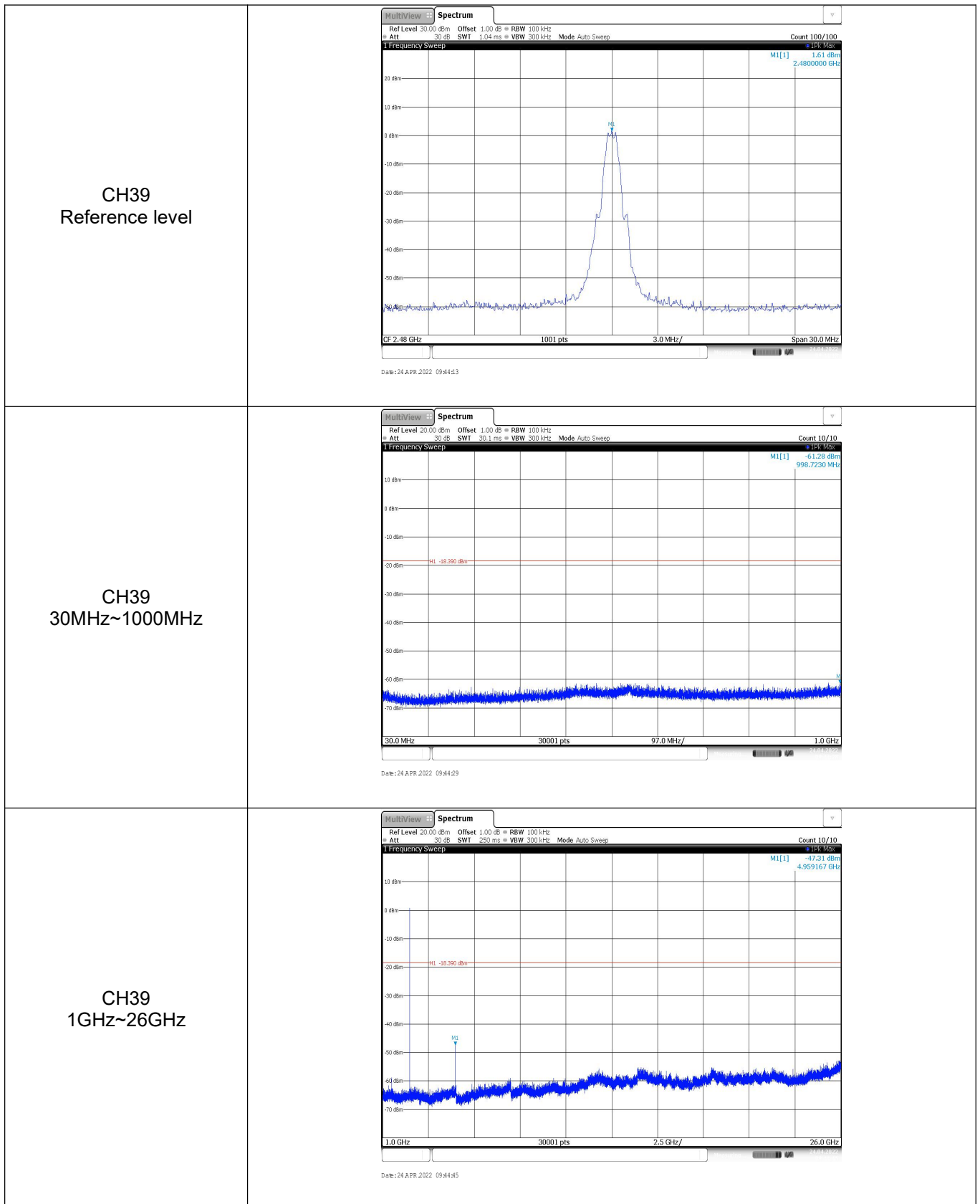


Appendix F: Band edge and Spurious Emissions (conducted)

Test Item:	Band edge
CH00	MultiView Spectrum Ref Level 10.50 dBm Offset 1.00 dB RBW 100 kHz Att 20 dB SWT 1.05 ms VBW 300 kHz Mode Auto Sweep Count 200/200 1 Frequency Sweep <

Test Item:	SE
CH00 Reference level	 Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 M1[1] 1.17 dBm 2.4019700 GHz CF 2.402 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 24 APR 2022 09:47:04
CH00 30MHz~1000MHz	 Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -60.74 dBm 554.7360 MHz H1 -18.600 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 24 APR 2022 09:47:20
CH00 1GHz~26GHz	 Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -68.64 dBm 4.803333 GHz H1 -18.600 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 24 APR 2022 09:47:36





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