

APPENDIX REPORT

Project No.	SHT2006118601EW	Radio Specification	Bluetooth BLE
Test sample No.	YPHT20061186003	Model No.	0X201-1
Start test date	2020/7/21	Finish date	2020/7/21
Temperature	25°C	Humidity	50%
Test Engineer	Jiongsheng.Feng	Auditor	Xiaodong Zheo

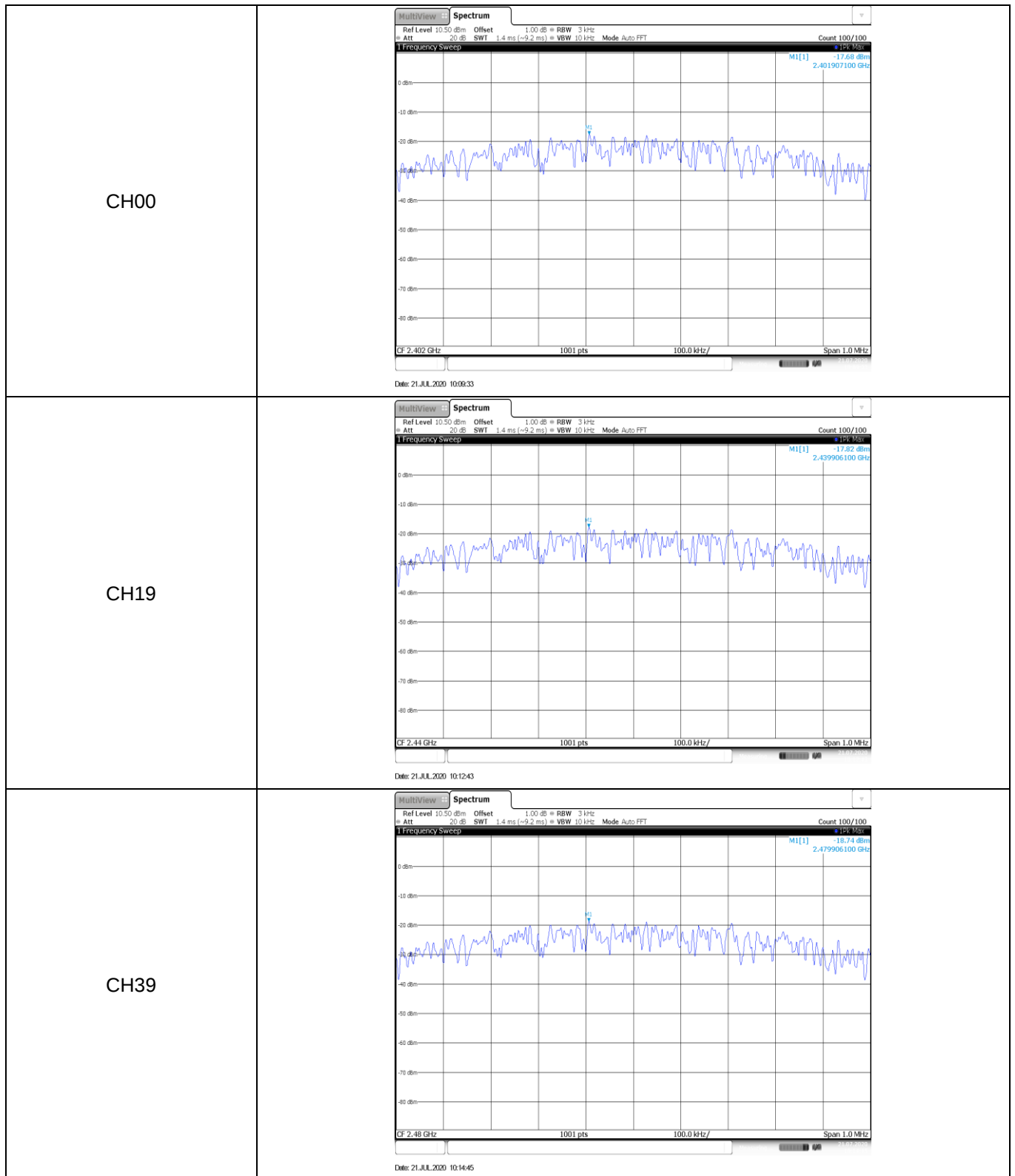
Appendix clause	Test item	Result
A	Peak Output Power	PASS
B	Power Spectral Density	PASS
C	6 dB Bandwidth	PASS
D	99% Occupied Bandwidth	PASS
E	Duty cycle	PASS
F	Band edge and Spurious Emissions (conducted)	PASS

Appendix A: Peak Output Power

Type	Channel	Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
BT-BLE	00	-0.73	-0.75	≤ 30.00	Pass
	19	-1.07	-1.10		
	39	-1.89	-1.90		

Appendix B: Power Spectral Density

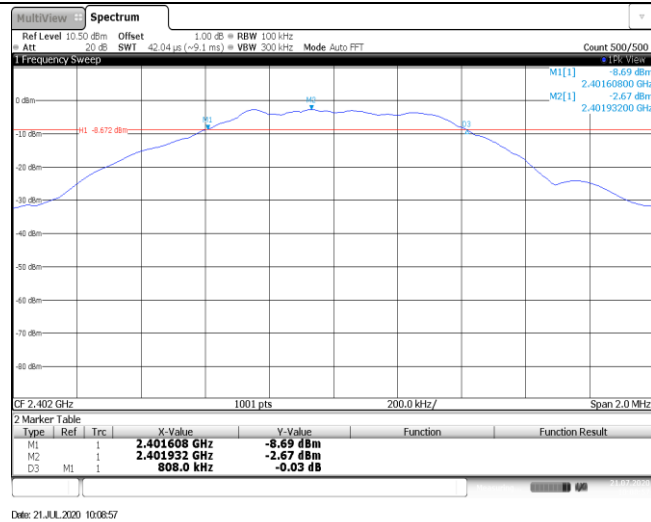
Type	Channel	Power Spectral Density(dBm/3KHz)	Limit (dBm/3KHz)	Result
BT-BLE	00	-17.68	≤8.00	Pass
	19	-17.82		
	39	-18.74		



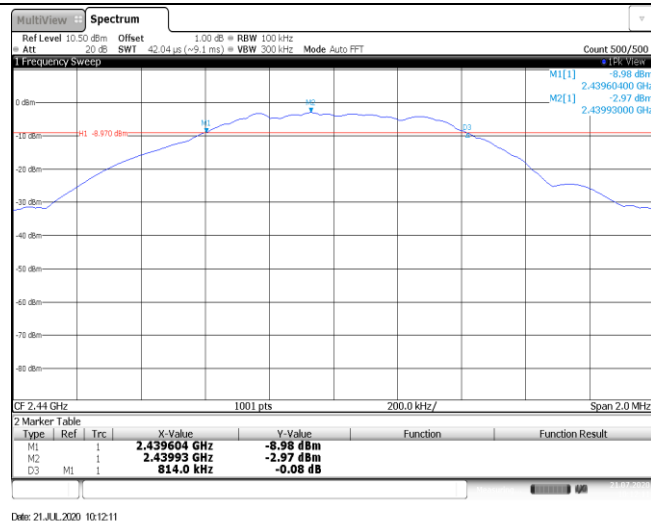
Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth(kHz)	Limit (kHz)	Result
BT-BLE	00	808.00	≥500	Pass
	19	814.00		
	39	820.00		

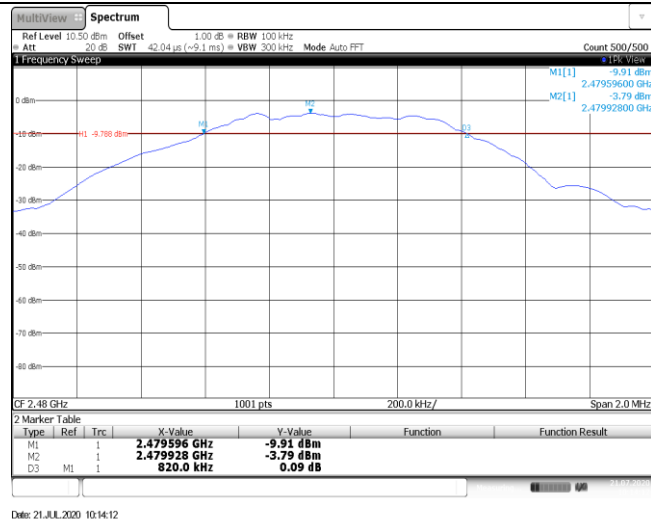
CH00



CH19



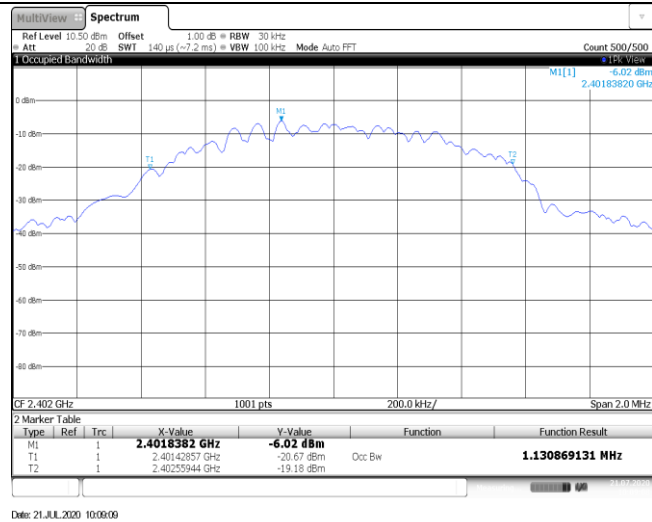
CH39



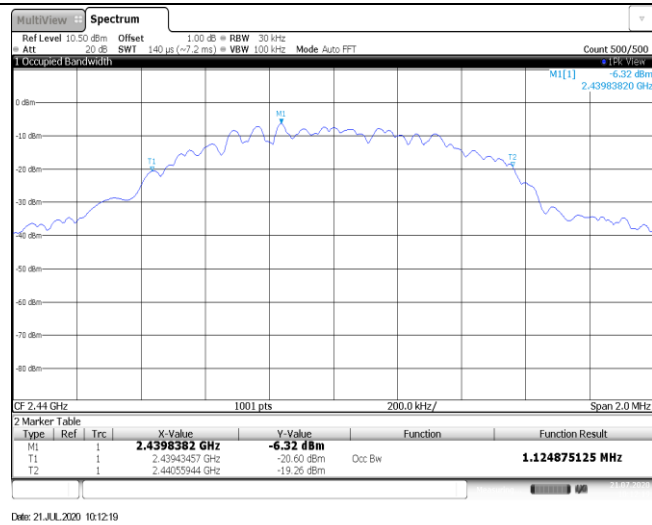
Appendix D: 99% Occupied Bandwidth

Type	Channel	99% Occupied Bandwidth(MHz)	Limit (kHz)	Result
BT-BLE	00	1.13	-	Pass
	19	1.12		
	39	1.13		

CH00



CH19

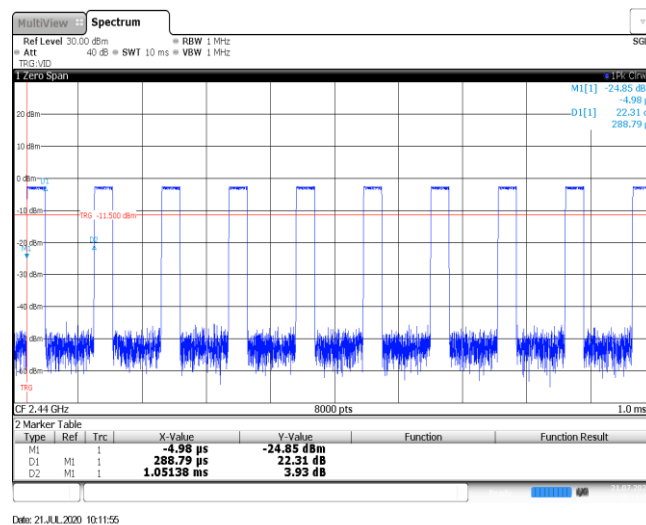


CH39



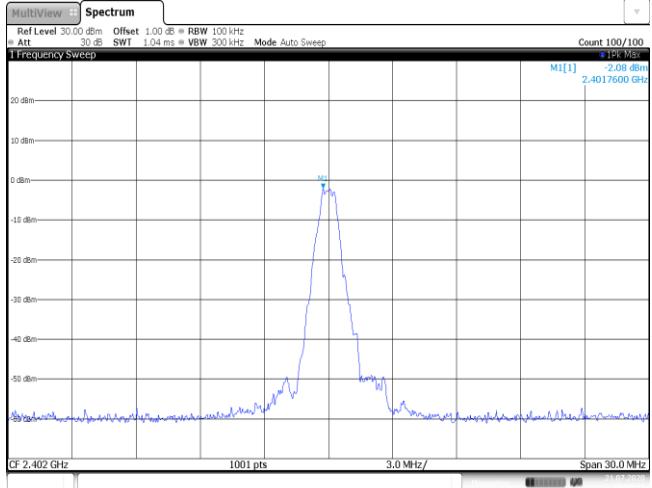
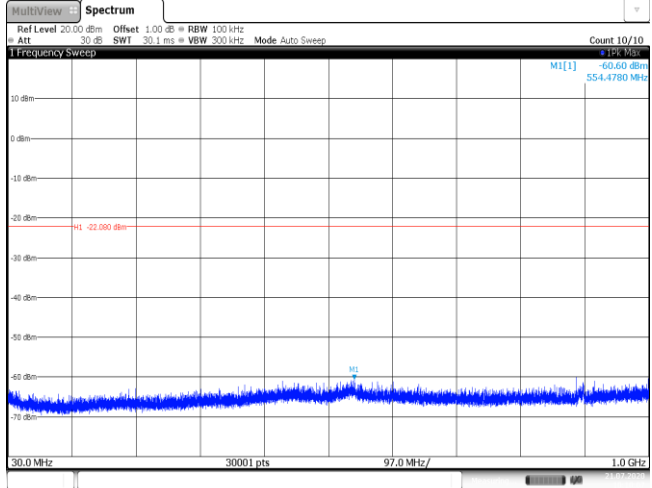
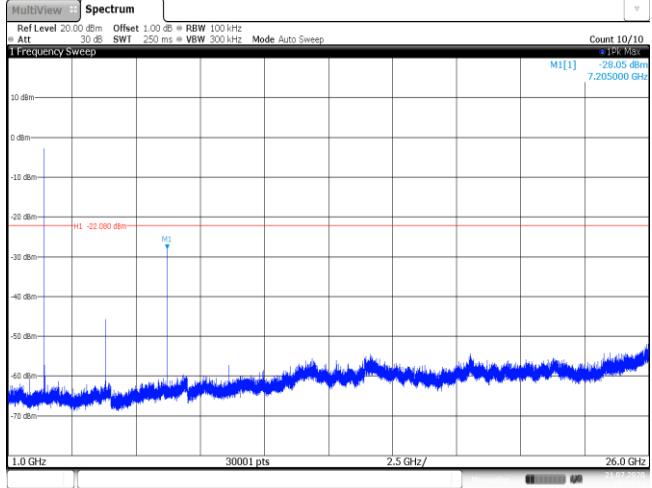
Appendix E: Duty cycle

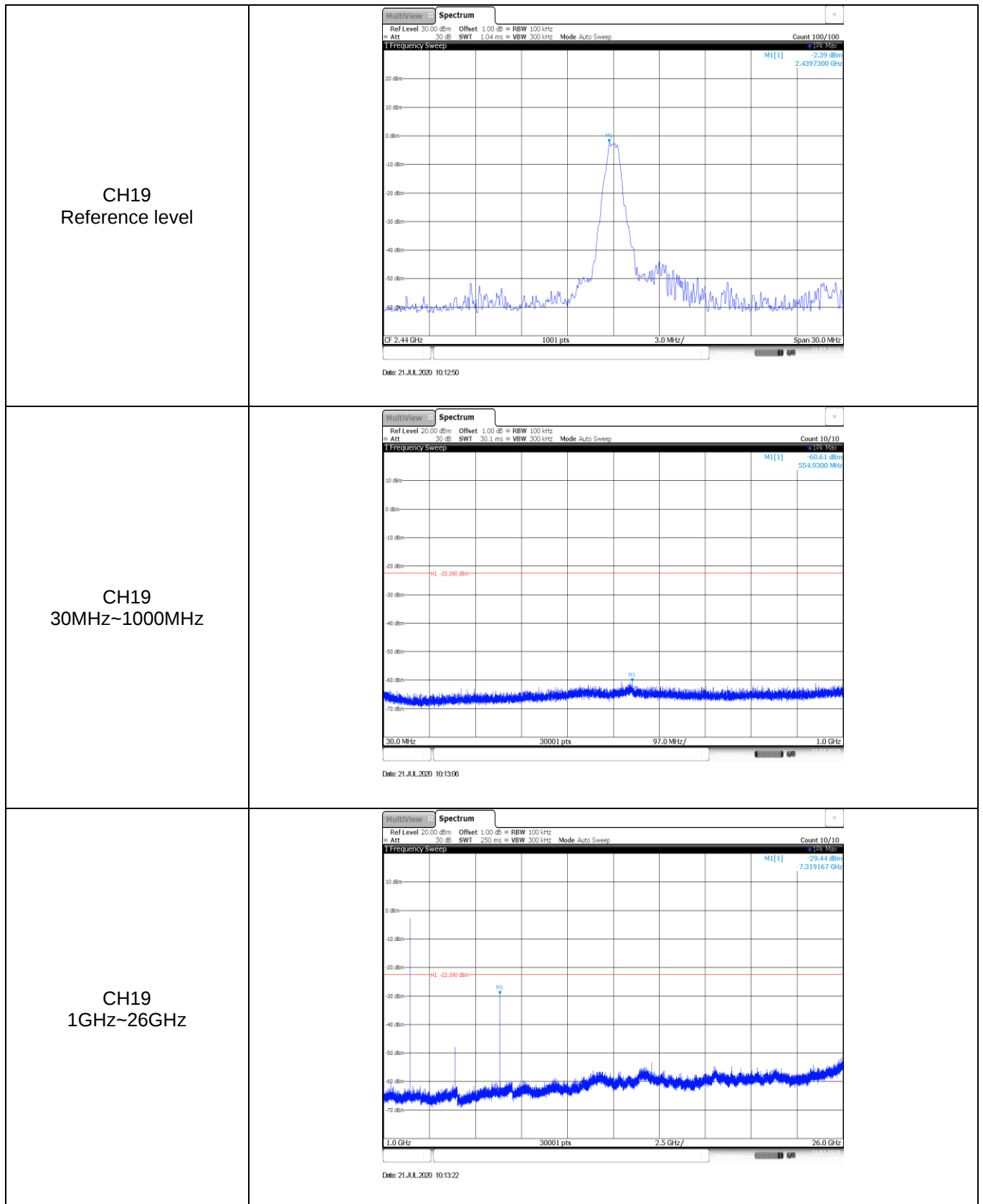
Test Frequency (MHz)	T _{on} time for single burst (ms)	T _{period} (ms)	Duty cycle	1/T _{on} time (kHz)
2440	0.29	1.05	27.6%	3.4

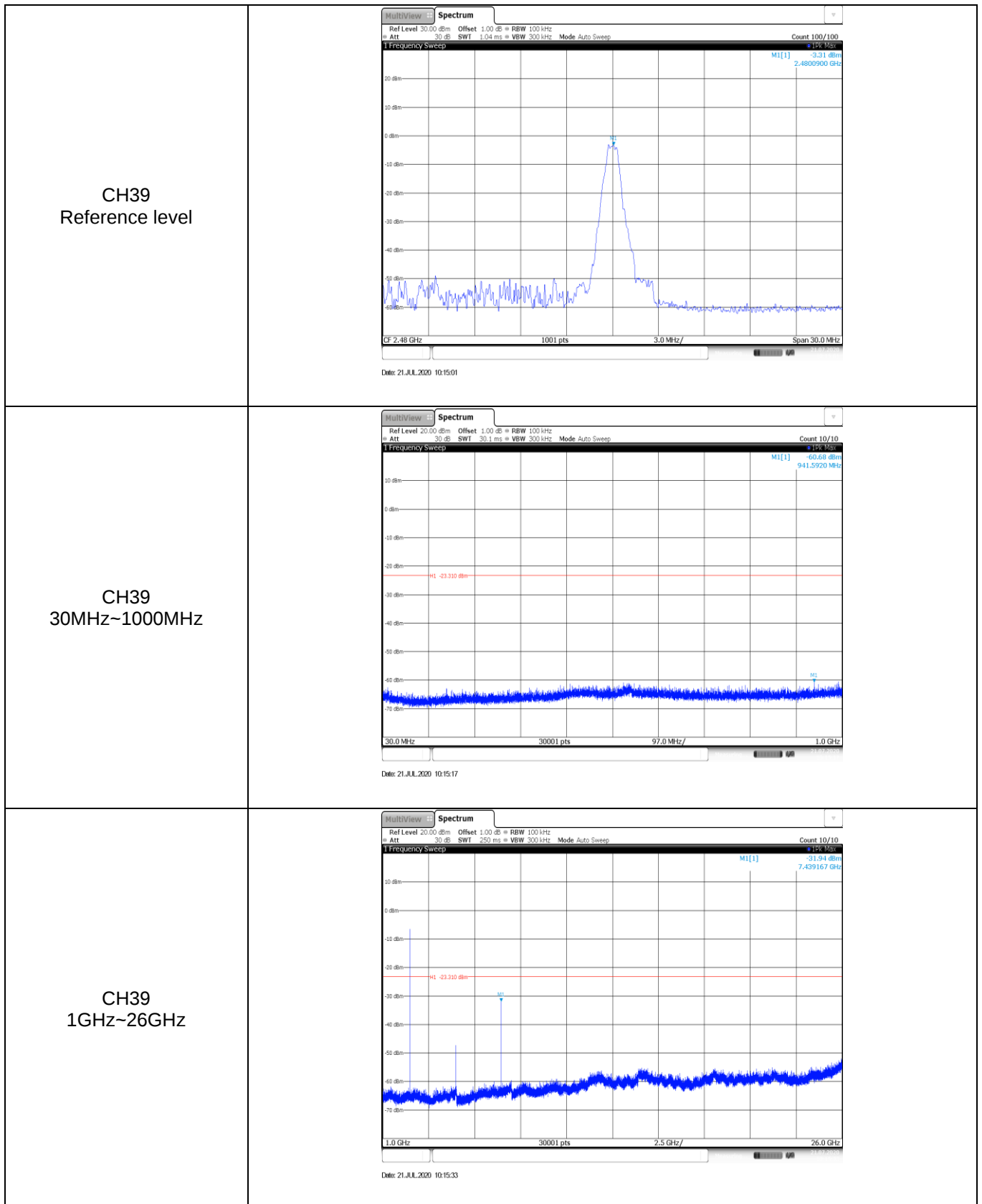


Appendix F: Band edge and Spurious Emissions (conducted)

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 300/300 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] 2.08 dBm 2.4017600 GHz CF 2.402 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 21 JUL 2020 10:09:51
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] -60.60 dBm 554.4780 MHz 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 21 JUL 2020 10:10:08
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] -28.05 dBm 7.205000 GHz 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 21 JUL 2020 10:10:24





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