

APPENDIX REPORT

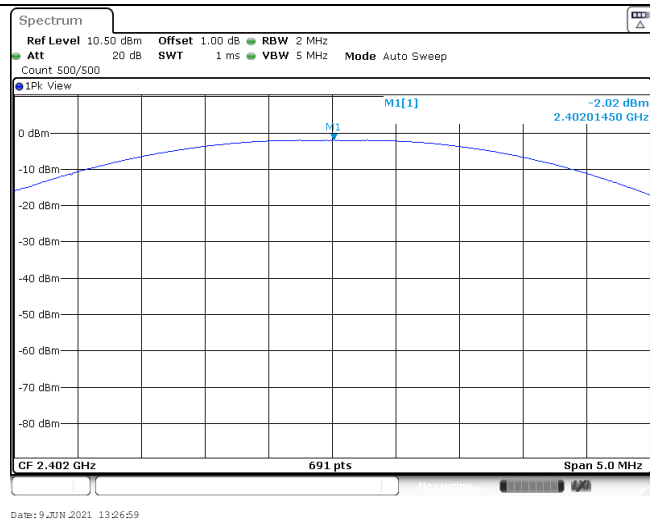
Project No.	SHT2101056603EW	Radio Specification	Bluetooth BLE
Test sample No.	YPHT21010566008	Model No.	V2
Start test date	2021-06-09	Finish date	2021-06-09
Temperature	26.8°C	Humidity	34%
Test Engineer	Hailey Chen	Auditor	Xiaodong Zhu

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

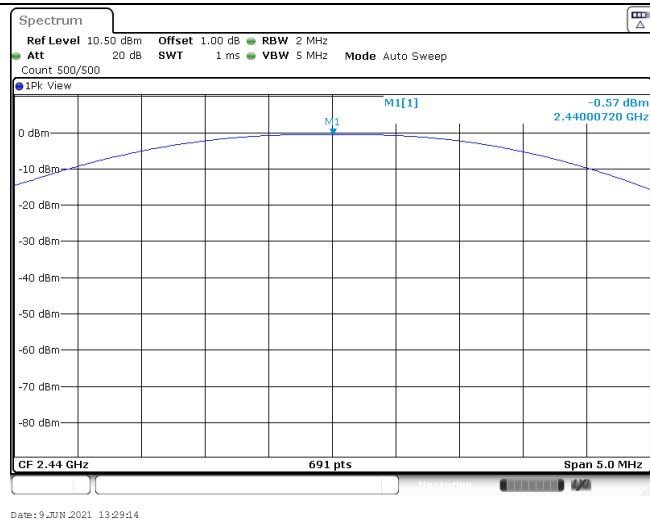
Appendix A: Peak Output Power

Type	Channel	Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
BT-BLE	00	-2.02	-2.05	≤ 30.00	Pass
	19	-0.57	-0.58		
	39	-0.63	-0.65		

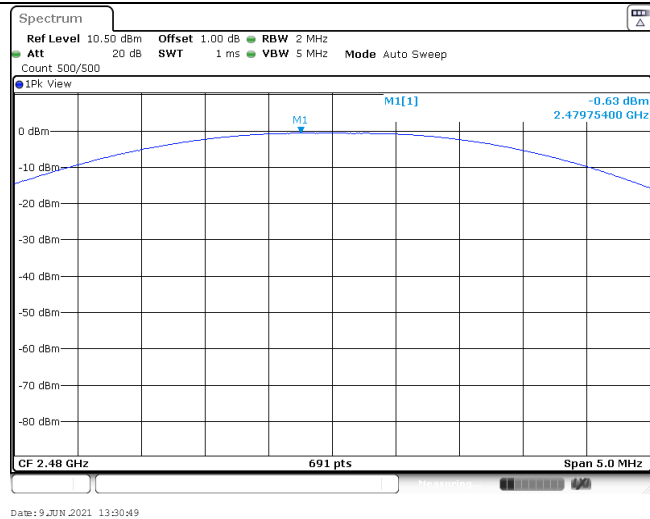
CH00



CH19

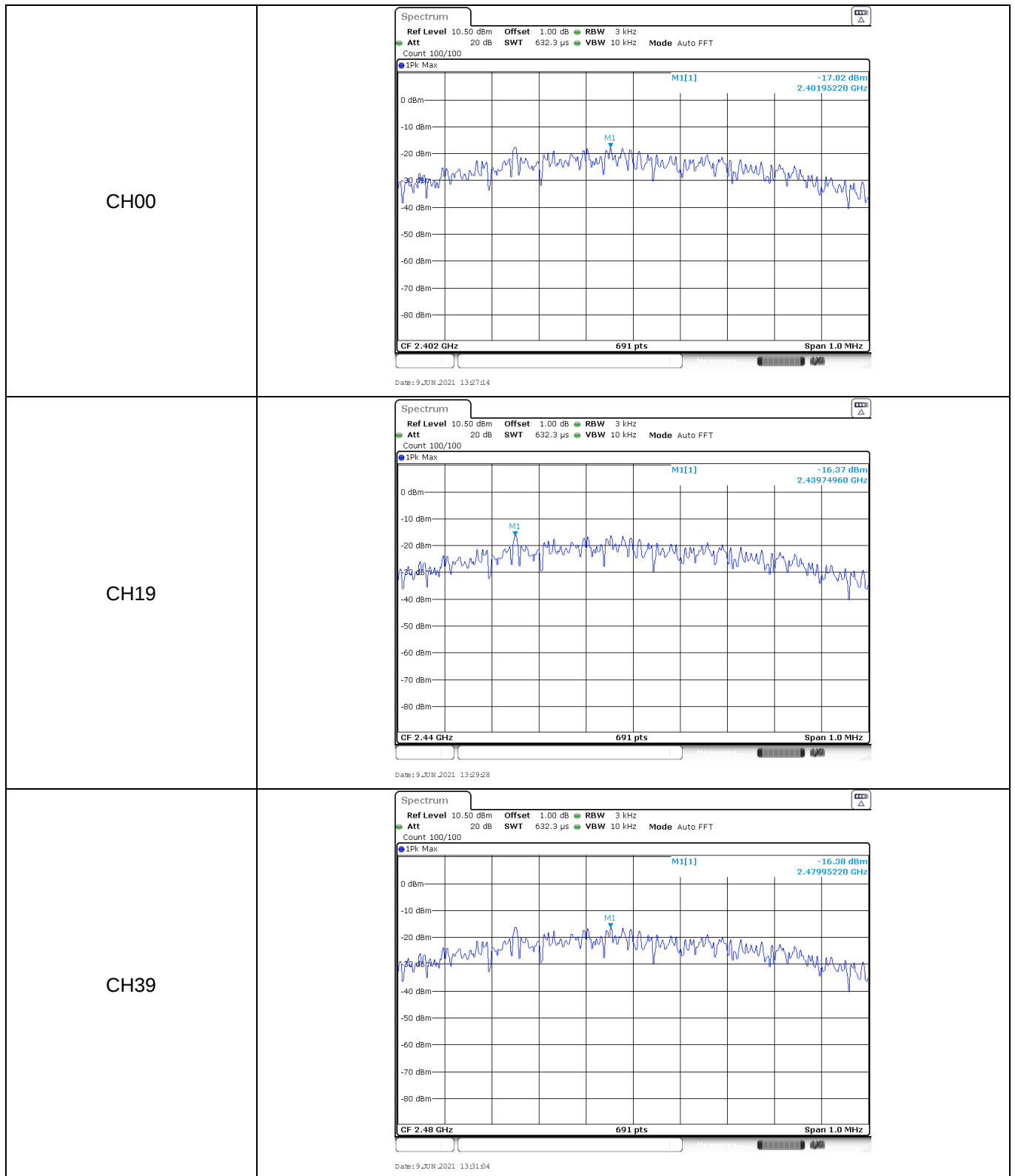


CH39



Appendix B: Power Spectral Density

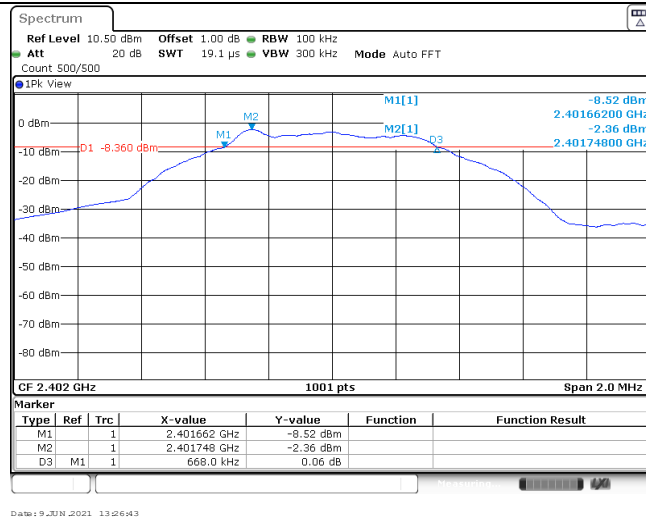
Type	Channel	Power Spectral Density(dBm/3KHz)	Limit (dBm/3KHz)	Result
BT-BLE	00	-17.82	≤8.00	Pass
	19	-16.37		
	39	-16.38		



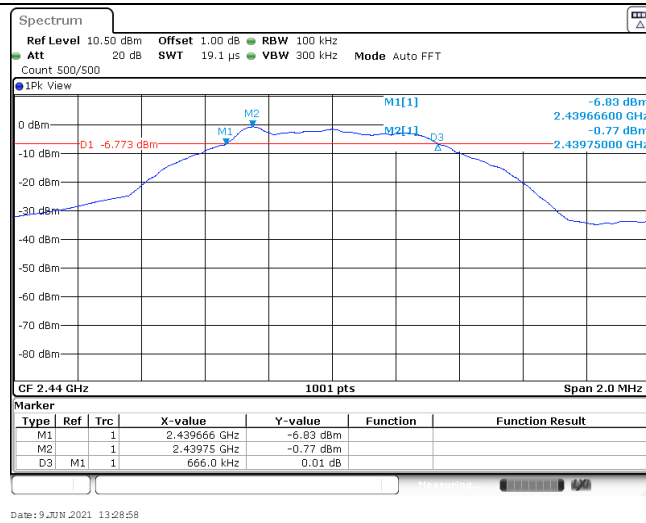
Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth(kHz)	Limit (kHz)	Result
BT-BLE	00	668.00	≥500	Pass
	19	666.00		
	39	668.00		

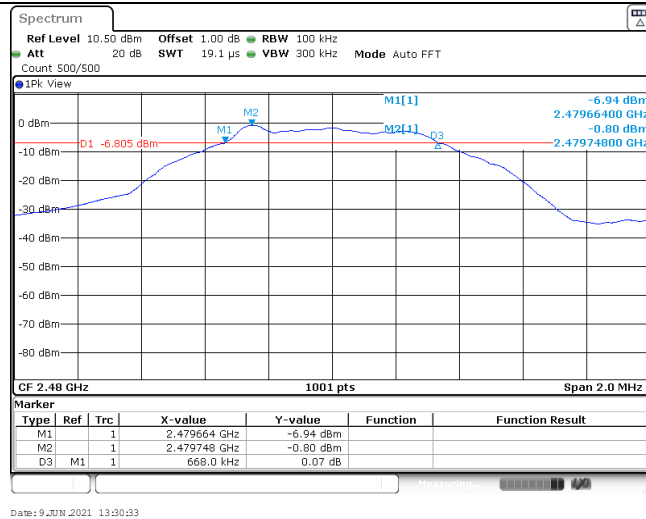
CH00



CH19

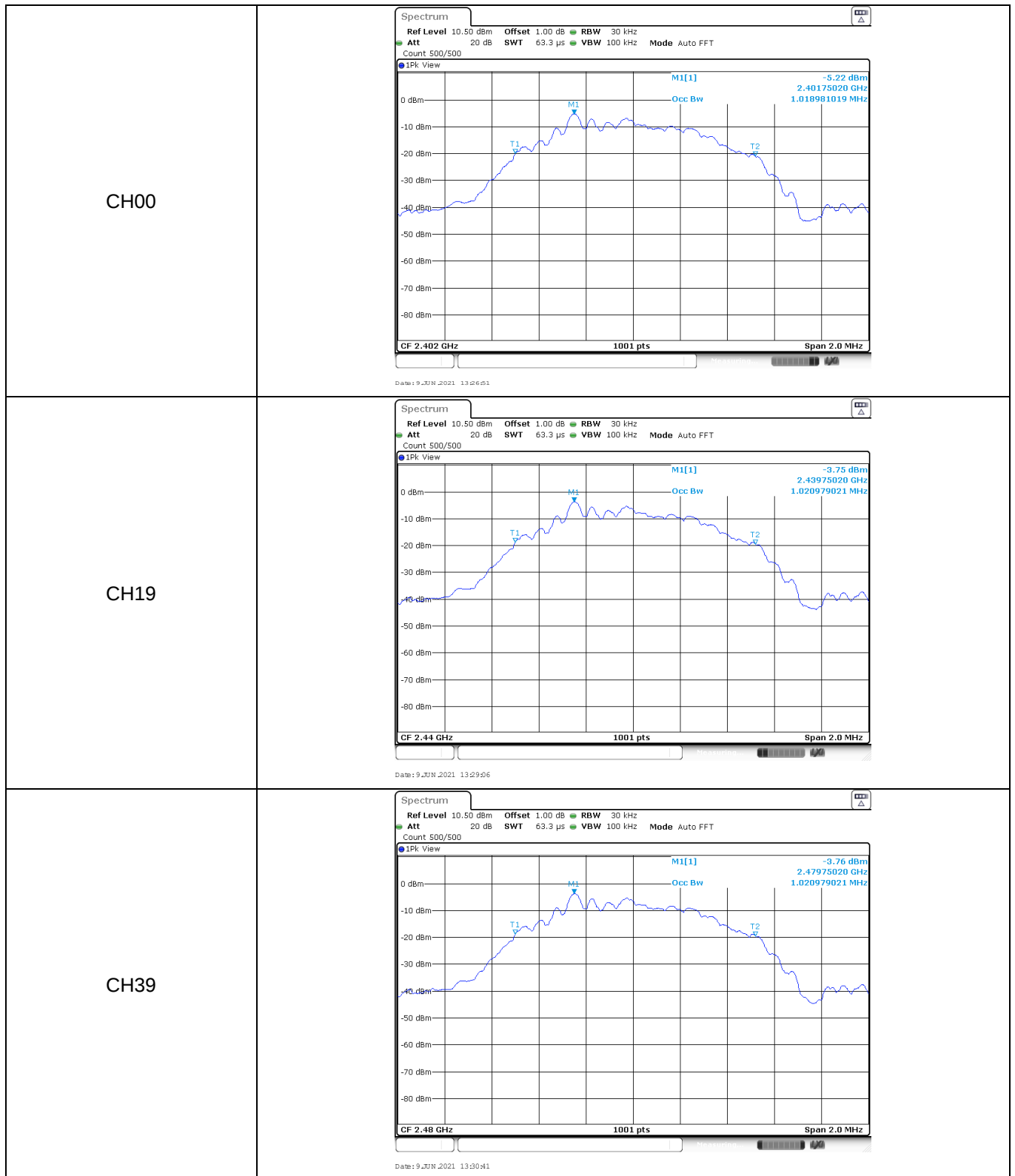


CH39



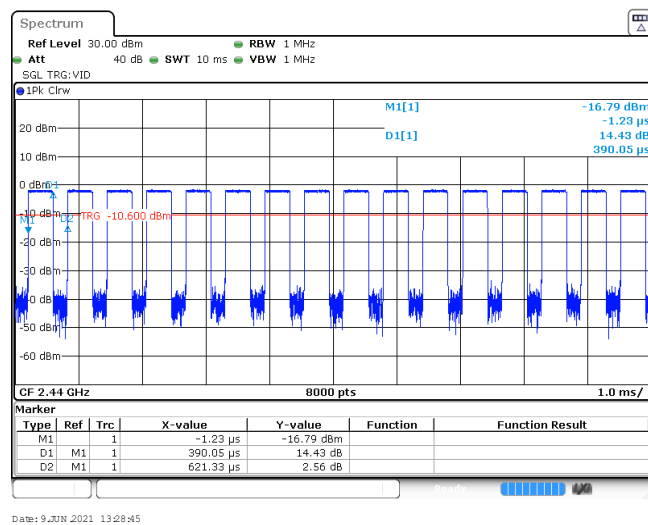
Appendix D: 99% Occupied Bandwidth

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

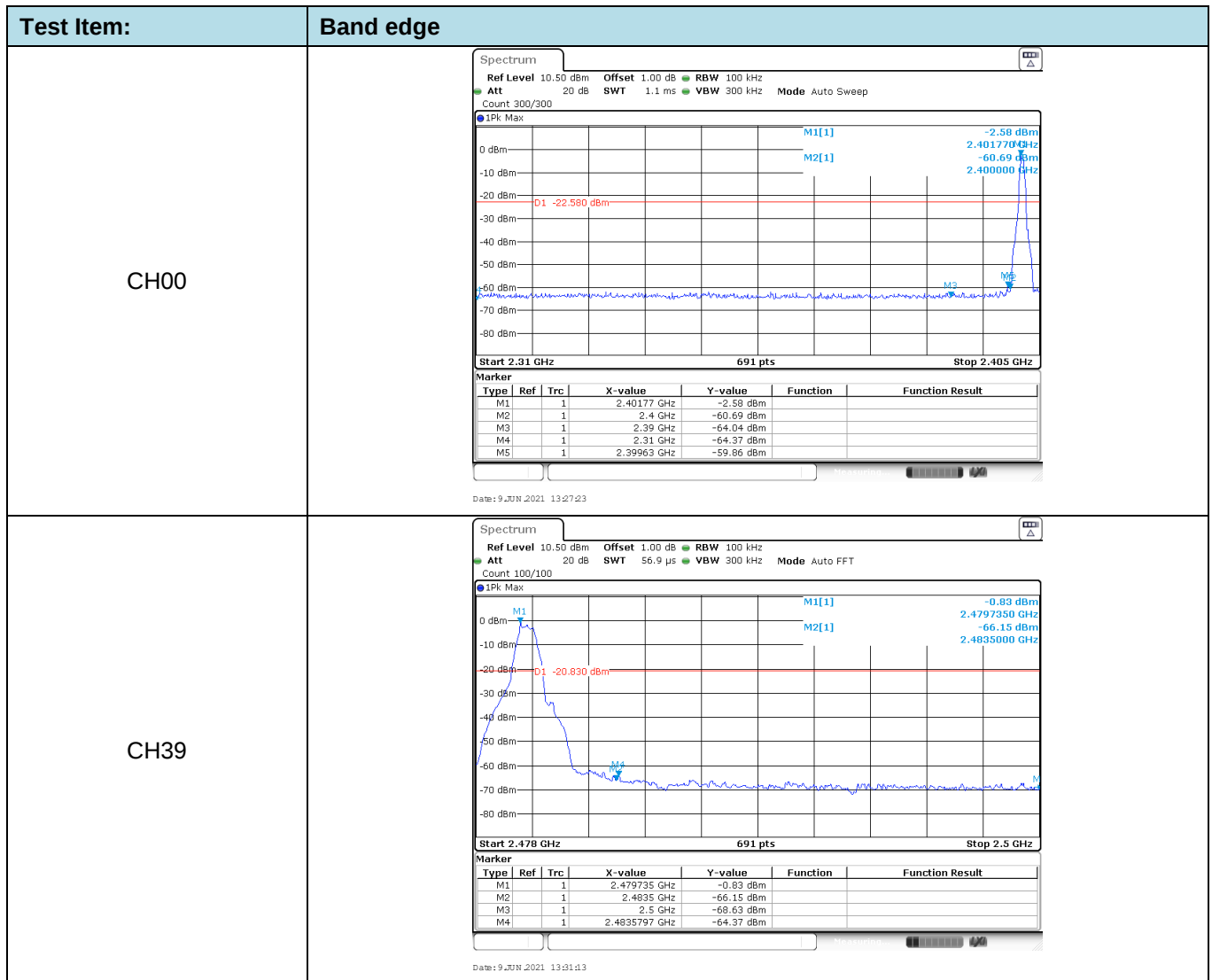


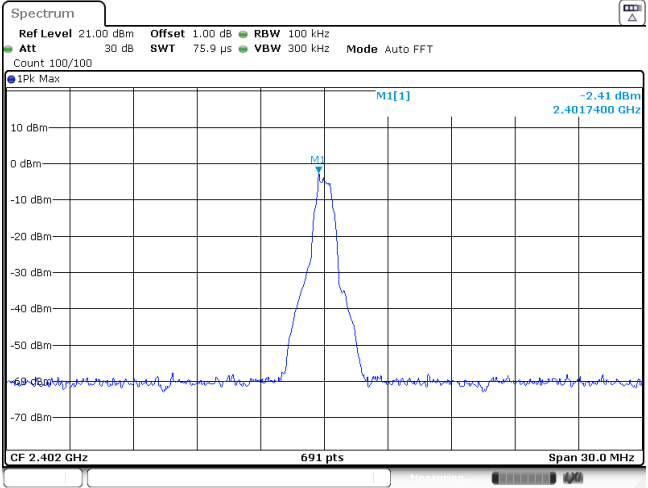
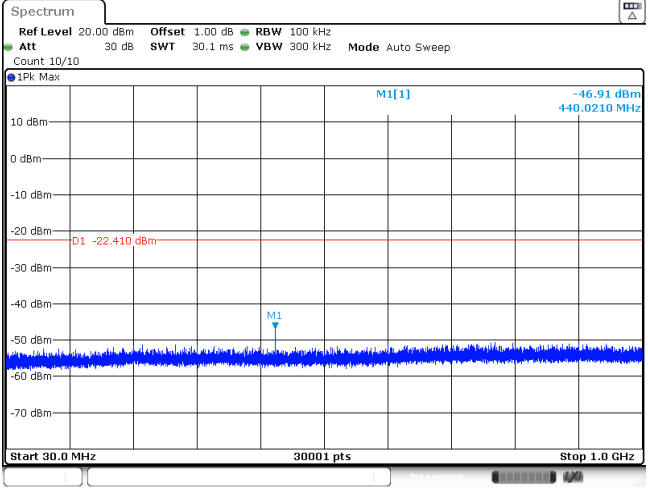
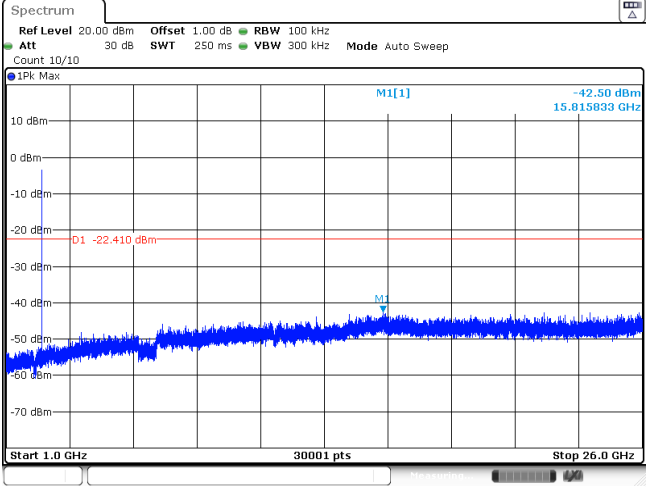
Appendix E: Duty cycle

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

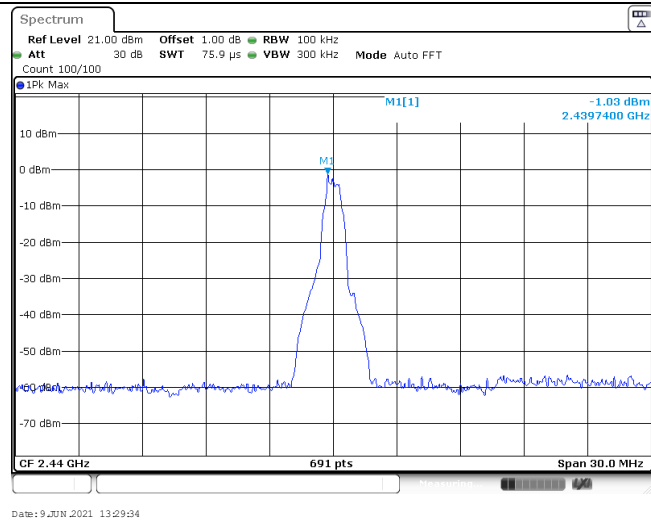


Appendix F: Band edge and Spurious Emissions (conducted)

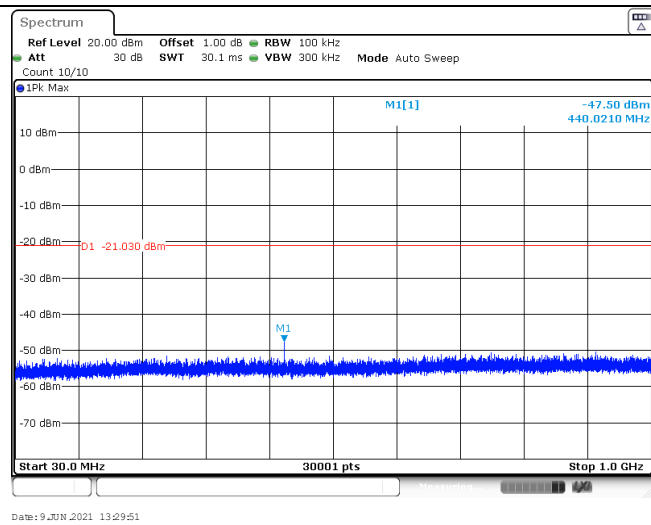


Test Item:	SE
CH00 Reference level	 Spectrum Ref Level 21.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT Count 100/100 1Pk Max M1[1] -2.41 dBm 2.4017400 GHz CF 2.402 GHz 691 pts Span 30.0 MHz Date: 9 JUN 2021 13:27:47
CH00 30MHz~1000MHz	 Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1Pk Max M1[1] -46.91 dBm 440.0210 MHz D1 -22.410 dBm Start 30.0 MHz 30001 pts Stop 1.0 GHz Date: 9 JUN 2021 13:28:02
CH00 1GHz~26GHz	 Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1Pk Max M1[1] -42.50 dBm 15.815833 GHz D1 -22.410 dBm Start 1.0 GHz 30001 pts Stop 26.0 GHz Date: 9 JUN 2021 13:28:18

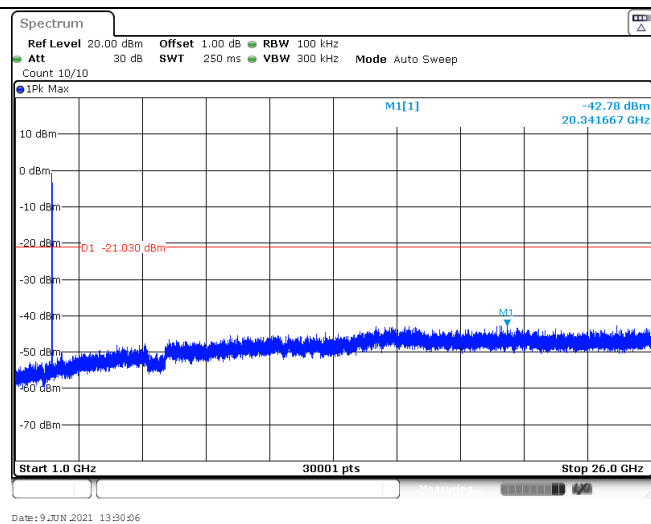
CH19
Reference level

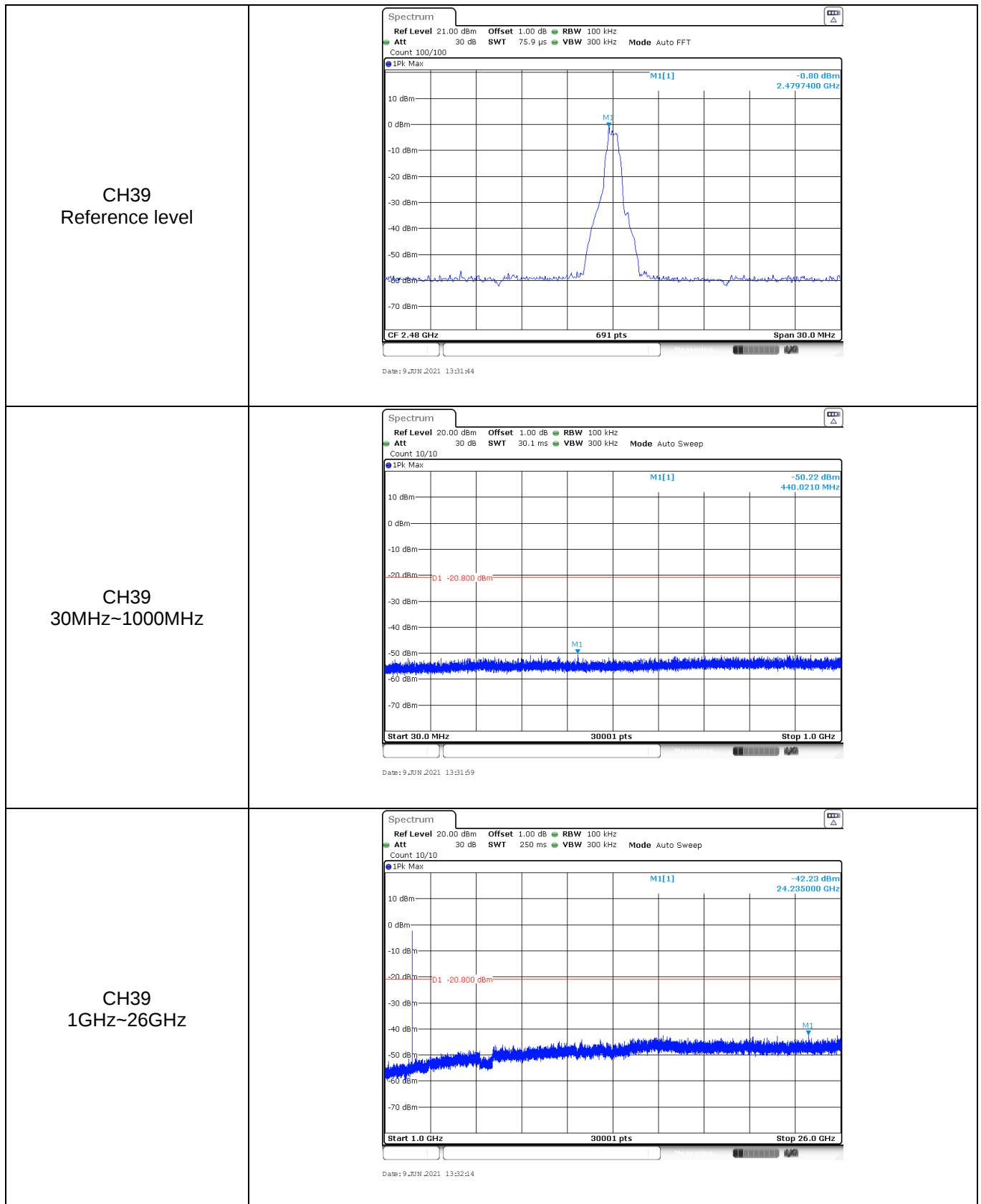


CH19
30MHz~1000MHz



CH19
1GHz~26GHz





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