

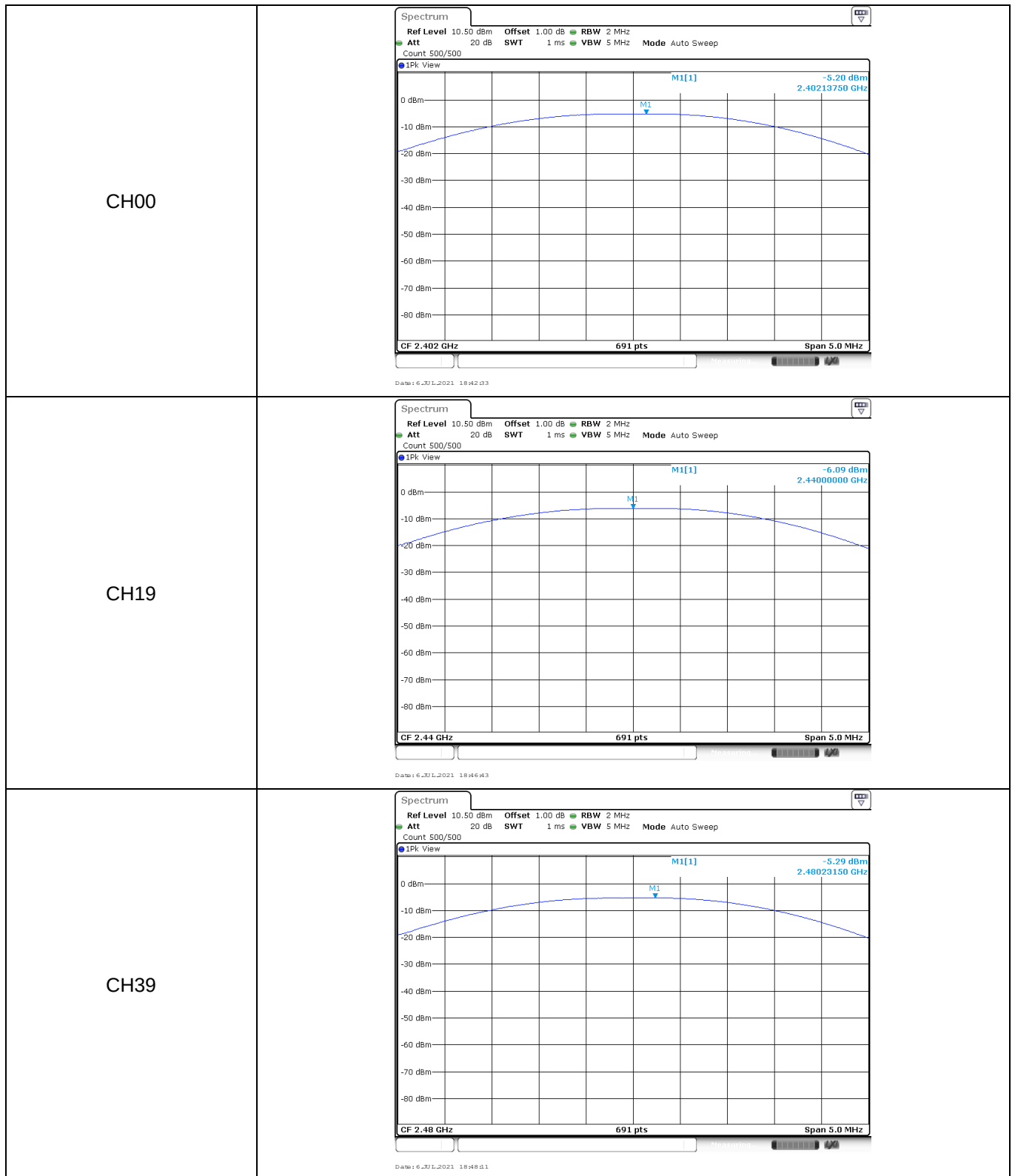
APPENDIX REPORT

Project No.	SHT2107001003EW	Radio Specification	Bluetooth BLE
Test sample No.	YPHT21070010040	Model No.	E506
Start test date	2021/7/6	Finish date	2021/7/28
Temperature	24.1°C	Humidity	30%
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

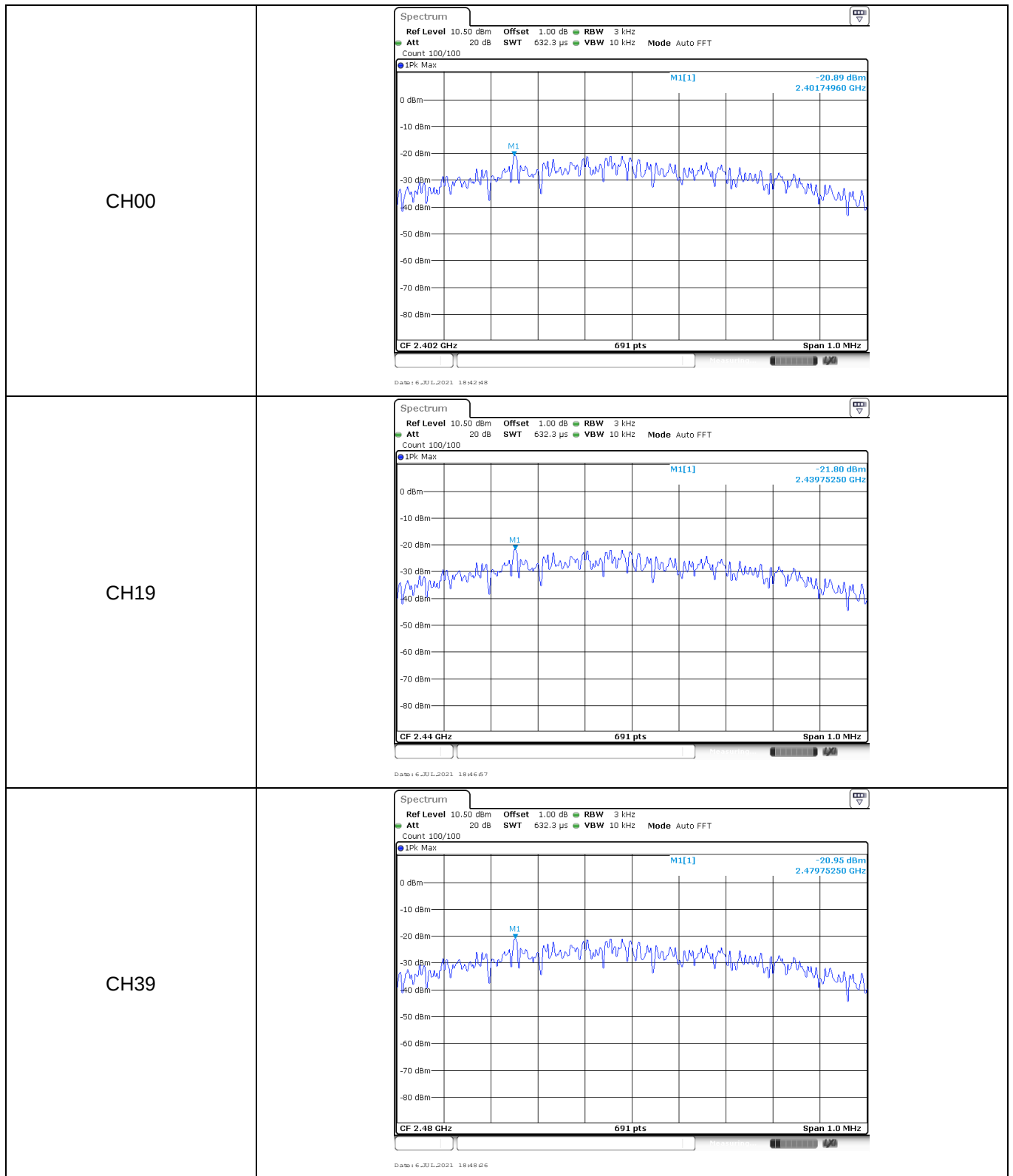
Appendix A: Peak Output Power

Type	Channel	Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
BT-BLE	00	-5.20	-5.21	≤ 30.00	Pass
	19	-6.09	-6.10		
	39	-5.29	-5.30		



Appendix B: Power Spectral Density

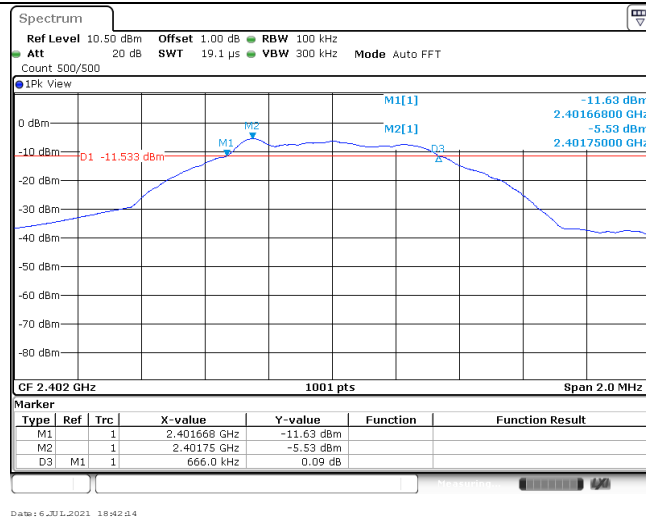
Type	Channel	Power Spectral Density(dBm/3KHz)	Limit (dBm/3KHz)	Result
BT-BLE	00	-20.89	≤8.00	Pass
	19	-21.80		
	39	-20.95		



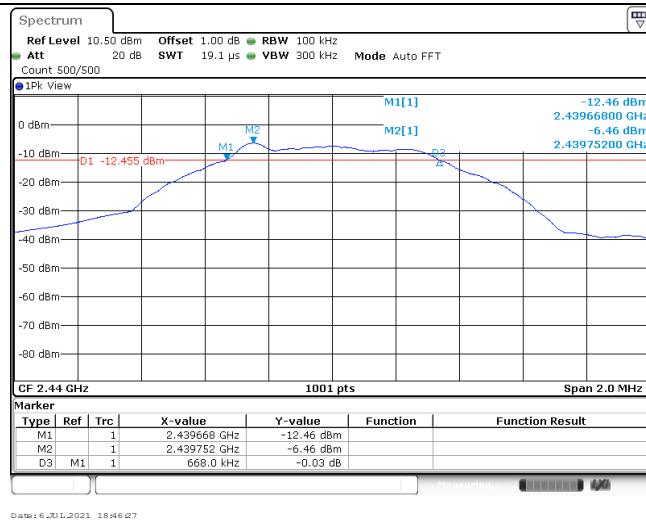
Appendix C: 6dB bandwidth

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

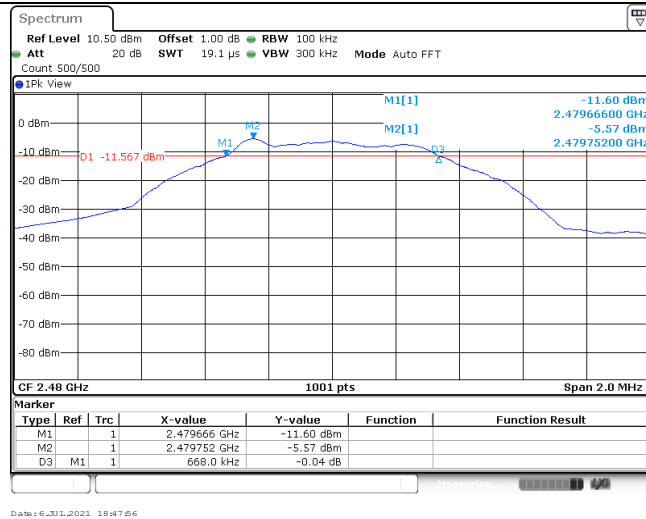
CH00



CH19

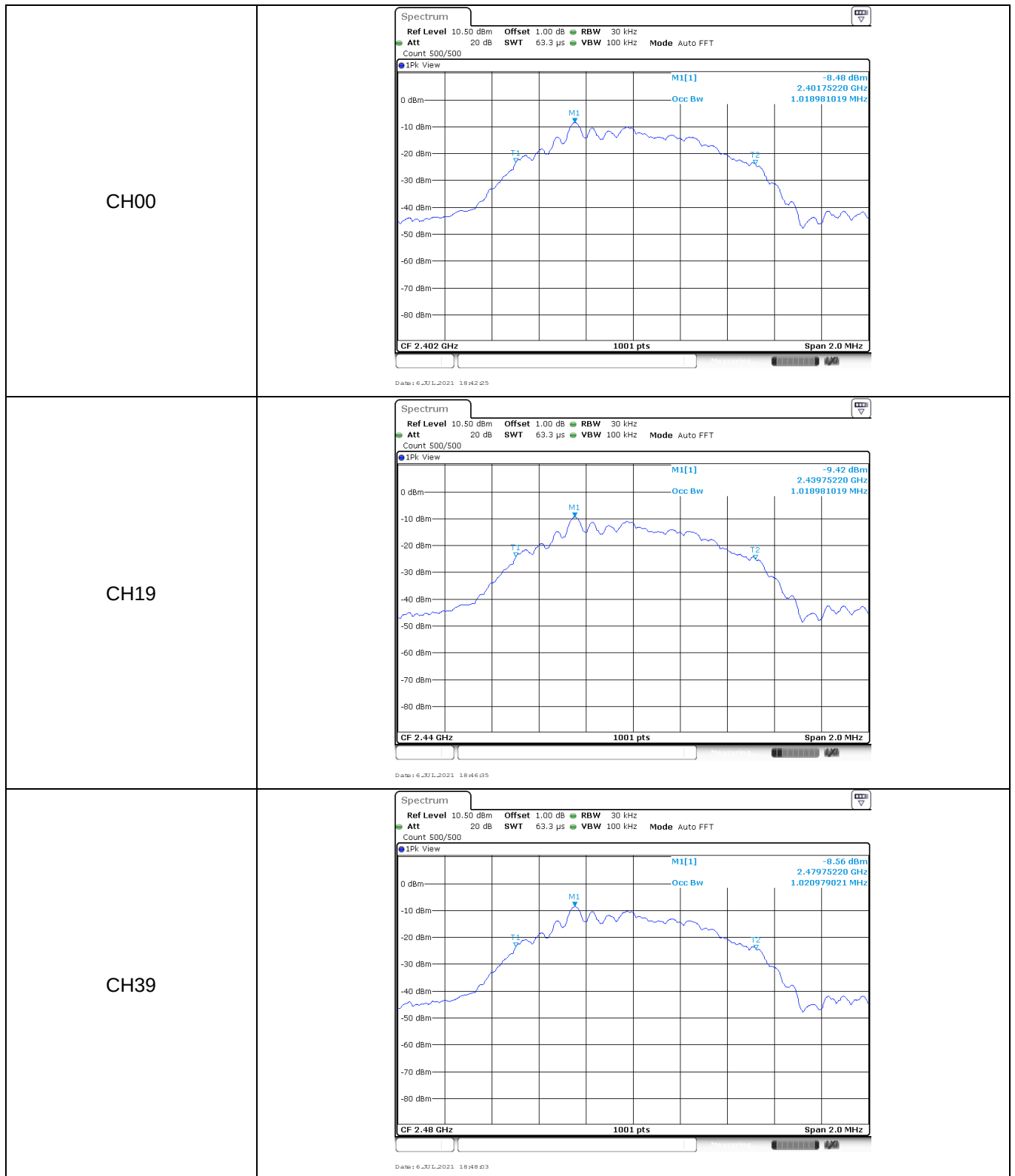


CH39



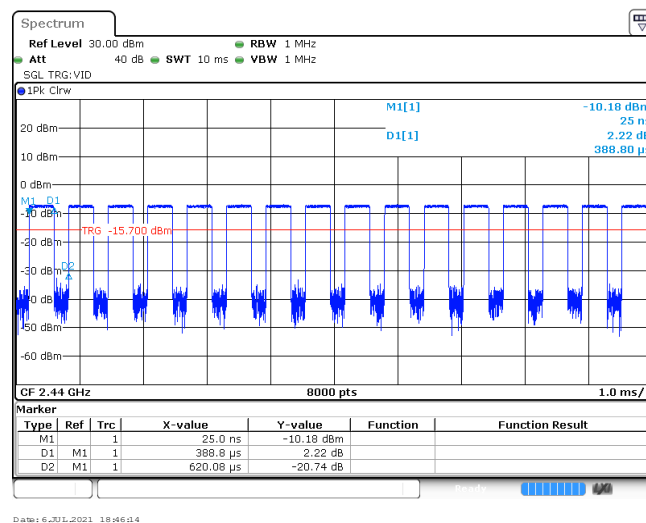
Appendix D: 99% Occupied Bandwidth

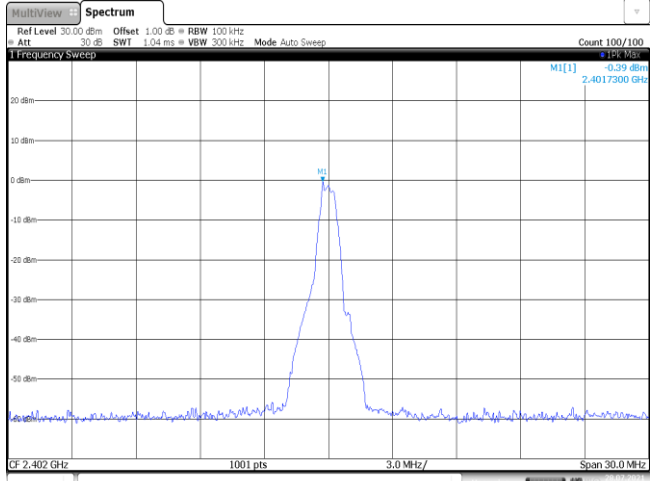
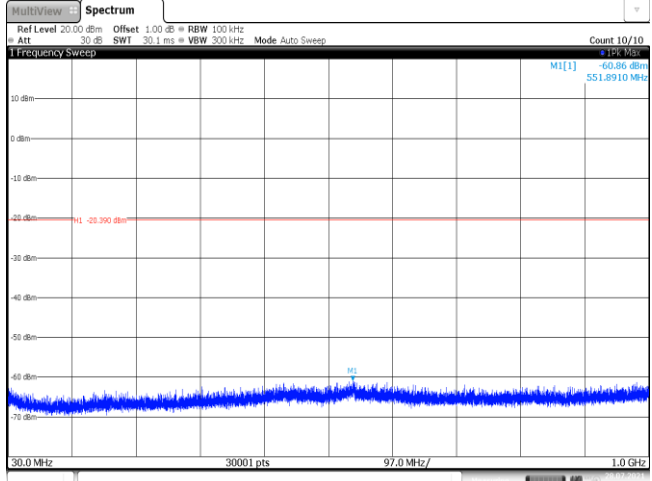
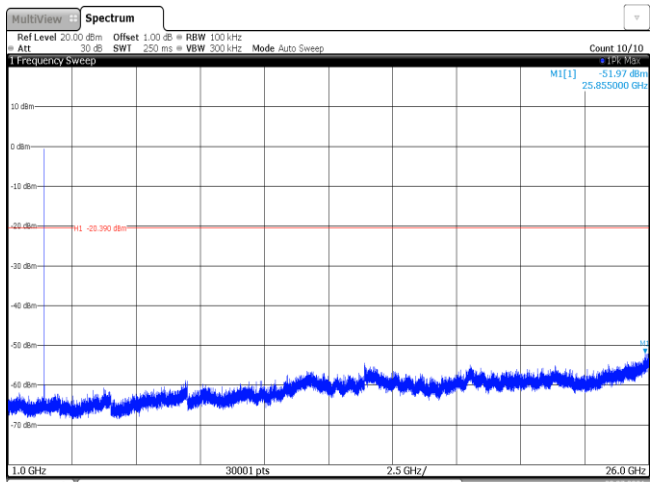
Type	Channel	99% Occupied Bandwidth(MHz)	Limit (kHz)	Result
BT-BLE	00	1.02	-	Pass
	19	1.02		
	39	1.02		

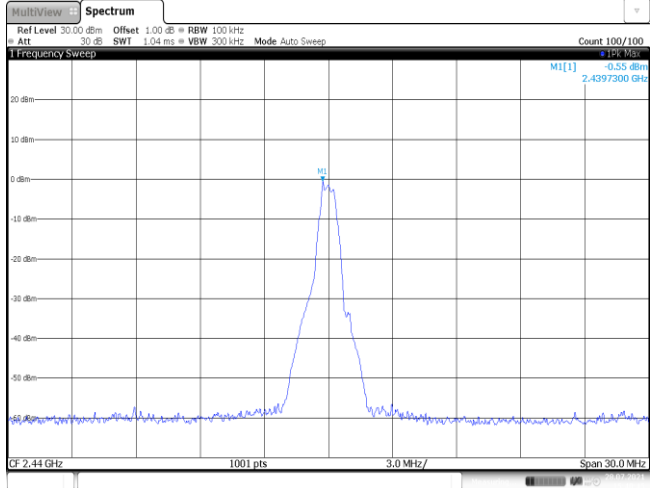
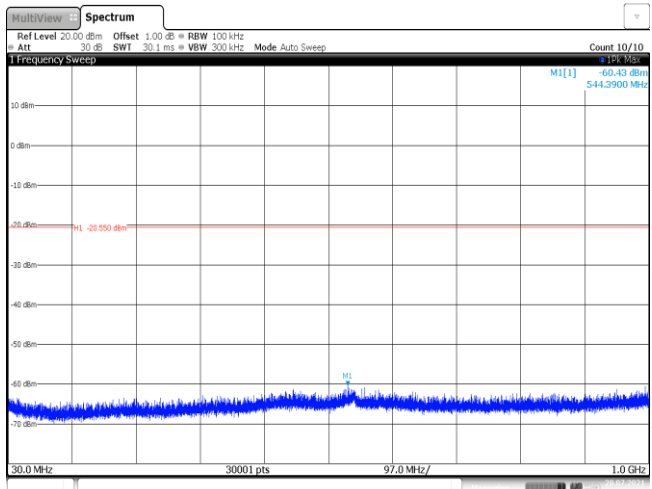
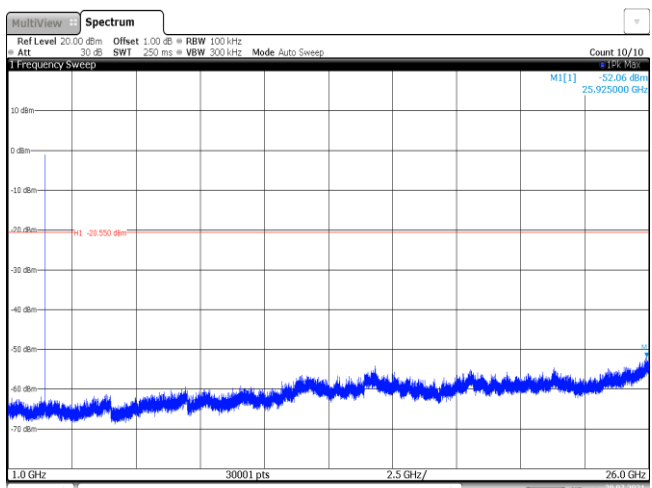


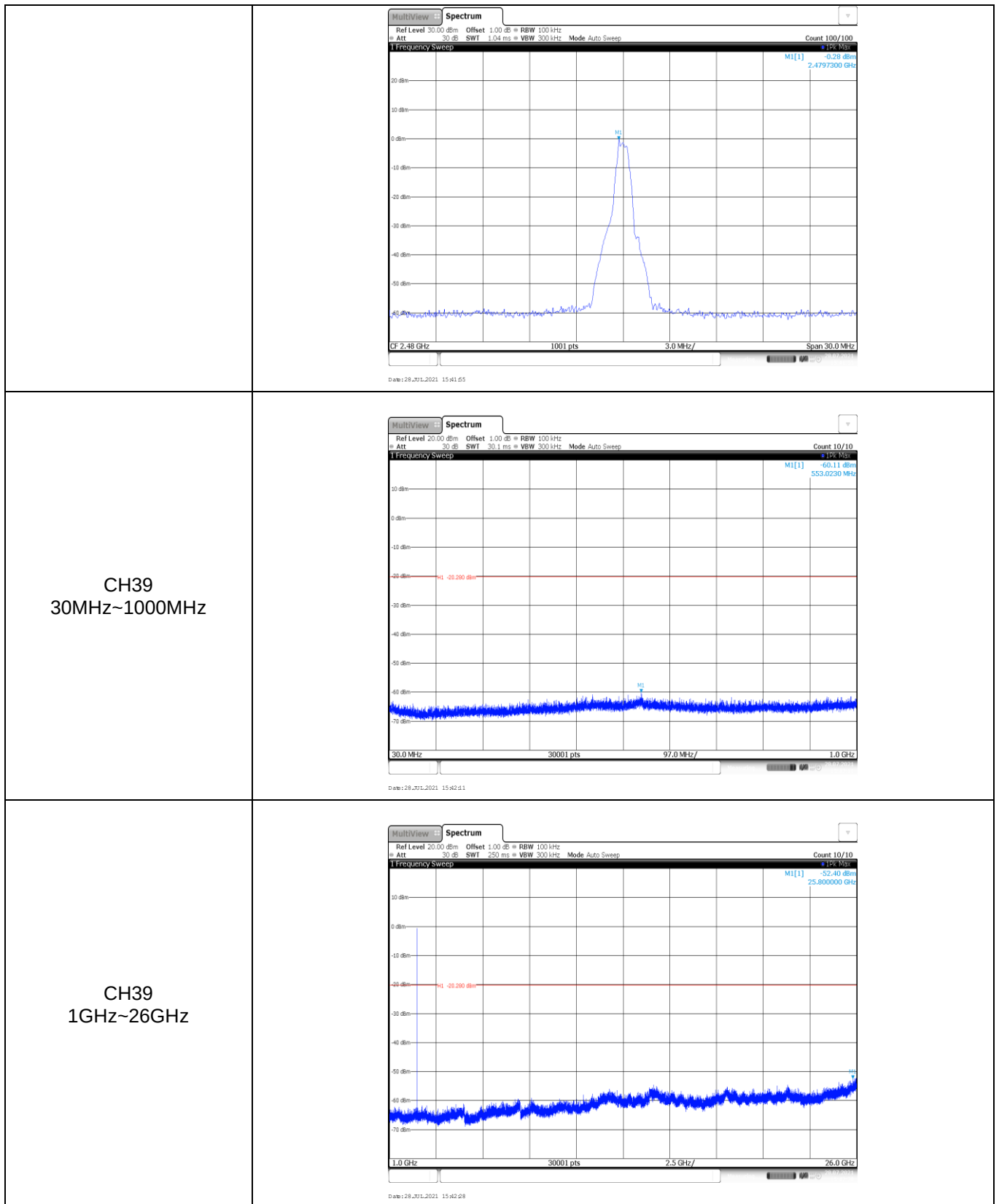
Appendix E: Duty cycle

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



Test Item:	SE
CH00 Reference level	 CH00 Reference level
CH00 30MHz~1000MHz	 CH00 30MHz~1000MHz
CH00 1GHz~26GHz	 CH00 1GHz~26GHz
CH19 Reference level	

	 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 M1[1] -0.55 dBm 2.4397300 GHz CF 2.44 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 28_JUL_2021 15:40:46
CH19 30MHz~1000MHz	 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 M1[1] -60.43 dBm 544.3900 MHz 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 28_JUL_2021 15:41:02
CH19 1GHz~26GHz	 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 M1[1] -52.06 dBm 25.925000 GHz 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 28_JUL_2021 15:41:18
CH39 Reference level	



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