APPENDIX REPORT

Project No.	SHT1911011501EW	Radio Specification	Bluetooth BLE
Test sample No.		Model No.	1067
Start test date	2019/11/14	Finish date	2019/11/14
Temperature	25°C	Humidity	50%
Test Engineer	JiongSheng.Feng	Auditor	William . wang

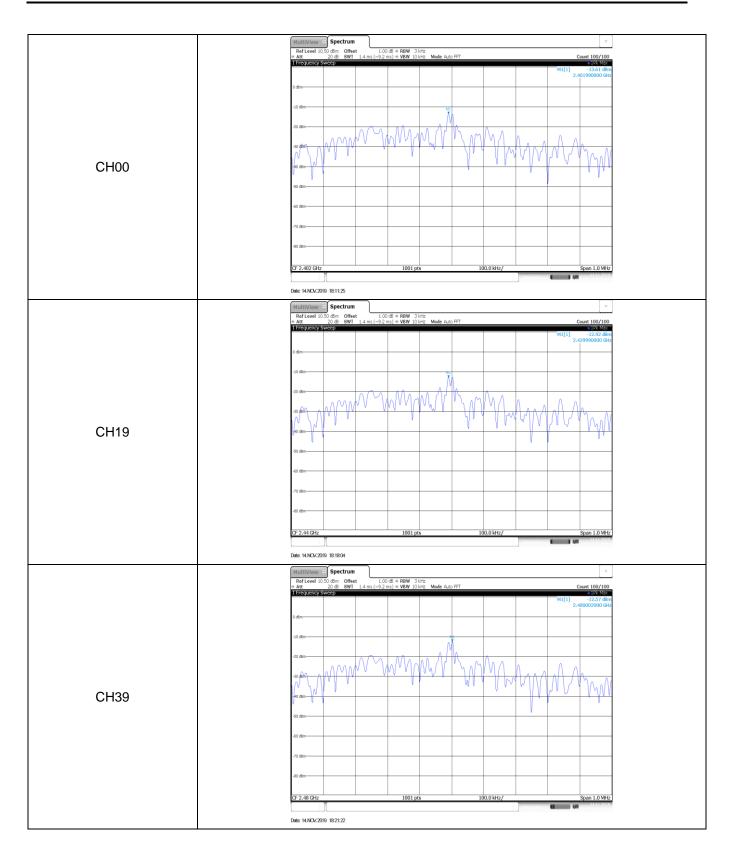
Appendix clause	Test item	Result
А	Peak Output Power	PASS
В	Power Spectral Density	PASS
С	6 dB Bandwidth	PASS
D	99% Occupied Bandwidth	PASS
Е	Duty cycle	PASS
F	Band edge and Spurious Emissions (conducted)	PASS

Appendix A: Peak Output Power

Туре	Channel	Output power (dBm)	Limit (dBm)	Result
	00	1.13		
BT-BLE	19	1.68	≤30.00	Pass
	39	1.66		

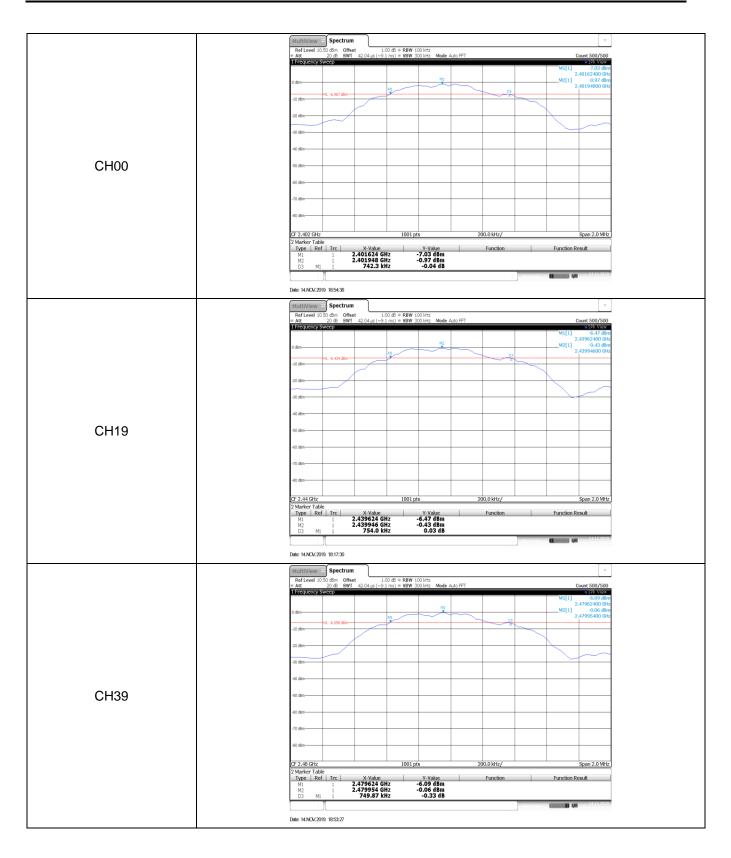
Appendix B: Power Spectral Density

Туре	Channel	Power Spectral Density(dBm/3KHz)	Limit (dBm/3KHz)	Result
	00	-13.61		
BT-BLE	19	-12.92	≤8.00	Pass
	39	-12.57		



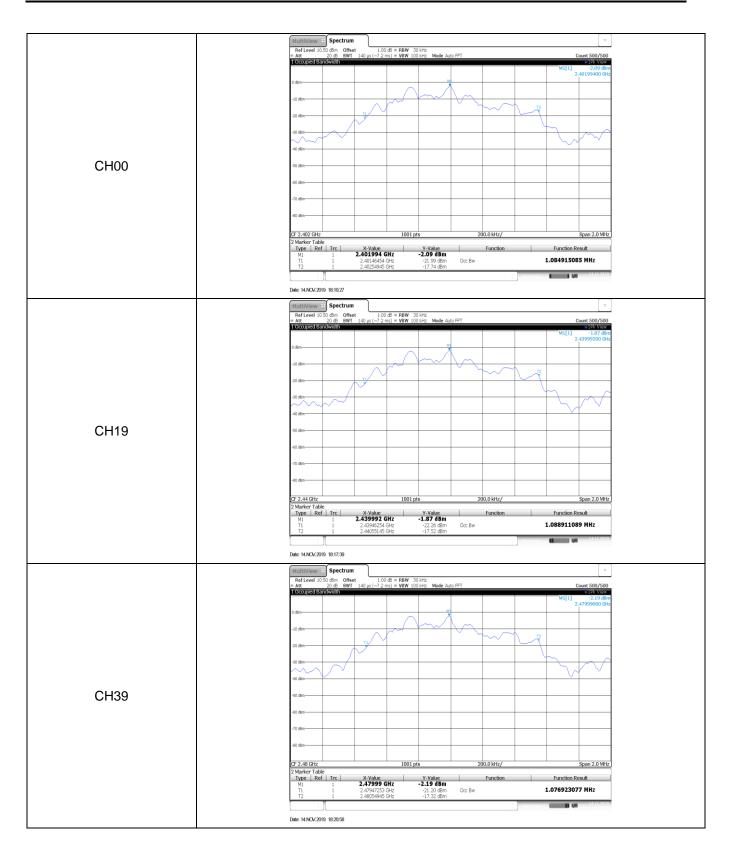
Appendix C: 6dB bandwidth

Туре	Channel	6dB Bandwidth(MHz)	Limit (kHz)	Result
	00	742.30		
BT-BLE	19	754.00	≥500	Pass
	39	749.87		



Appendix D: 99% Occupied Bandwidth

Туре	Channel	99% Occupied Bandwidth(MHz)	Limit (kHz)	Result
	00	1.09		
BT-BLE	19	1.09	-	Pass
	39	1.08		

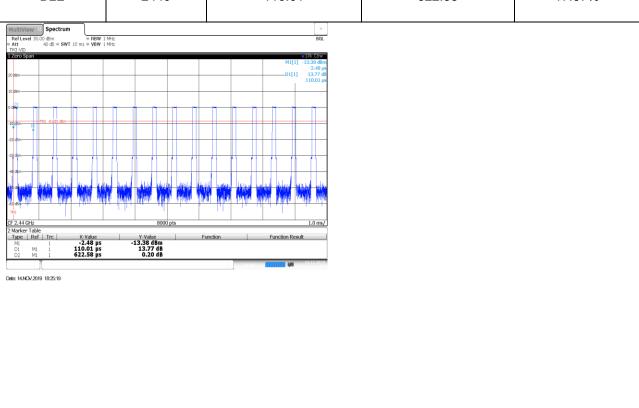


Appendix E: Duty cycle

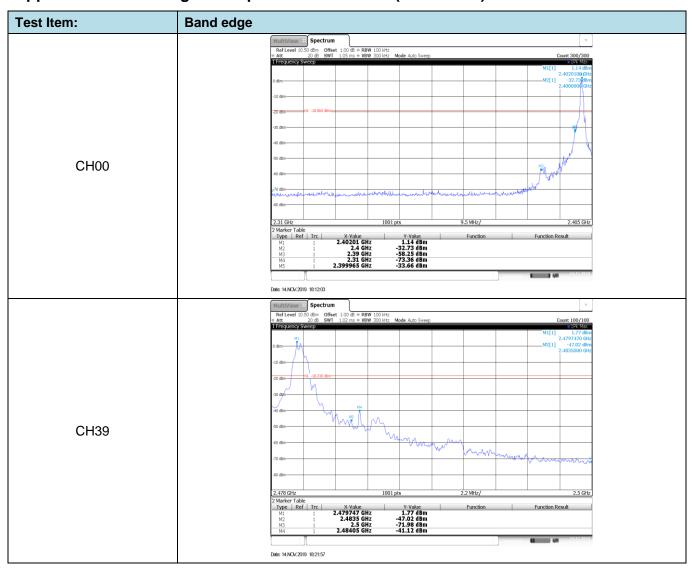
Duty cycle = $T_{on time}$ / T_{period} = 404us / 632us = 17.67% < 98%

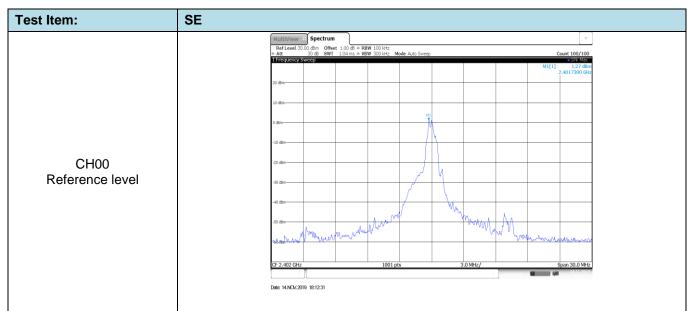
 $1/T_{on time} = 1/110.01us=9.09kHz$

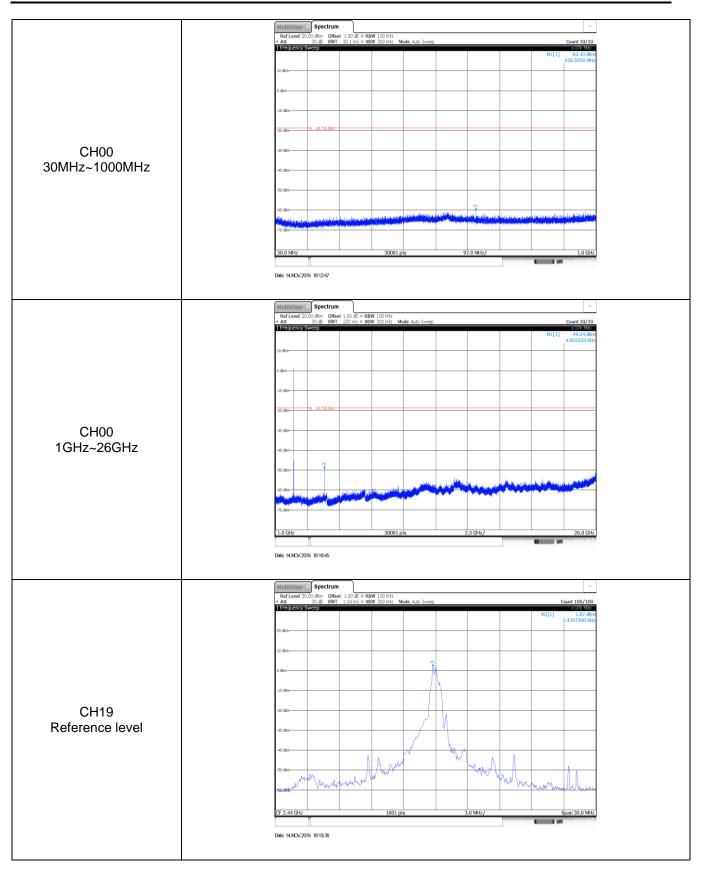
Modulation type	Test Frequency (MHz)	T _{on time} for single burst	T_{period}	Duty cycle
BLE	2440	110.01	622.58	17.67%

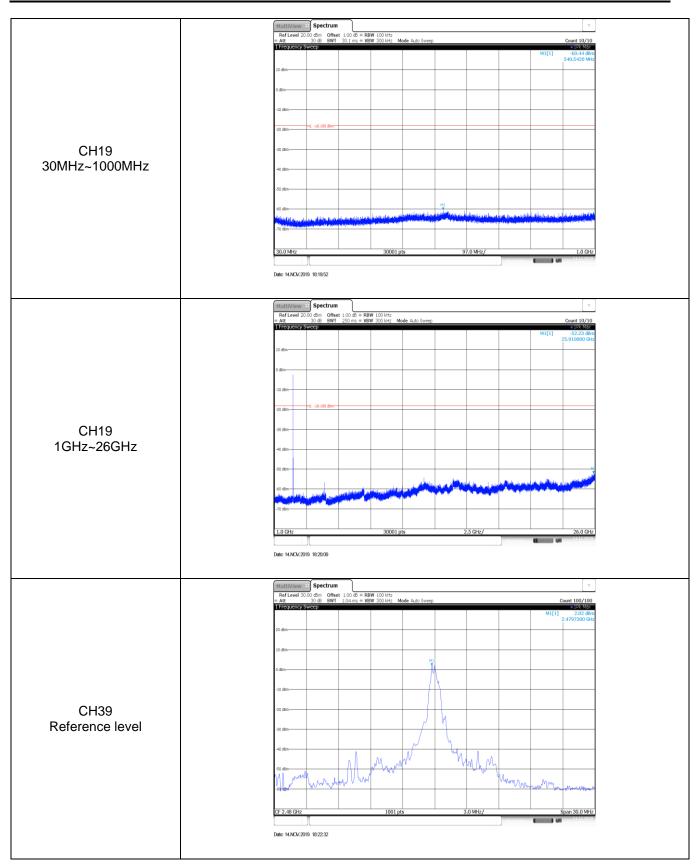


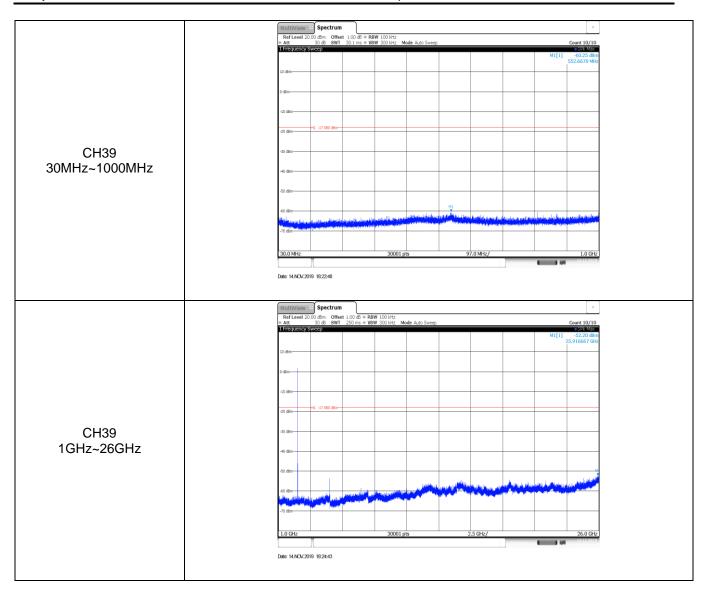
Appendix F: Band edge and Spurious Emissions (conducted)











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