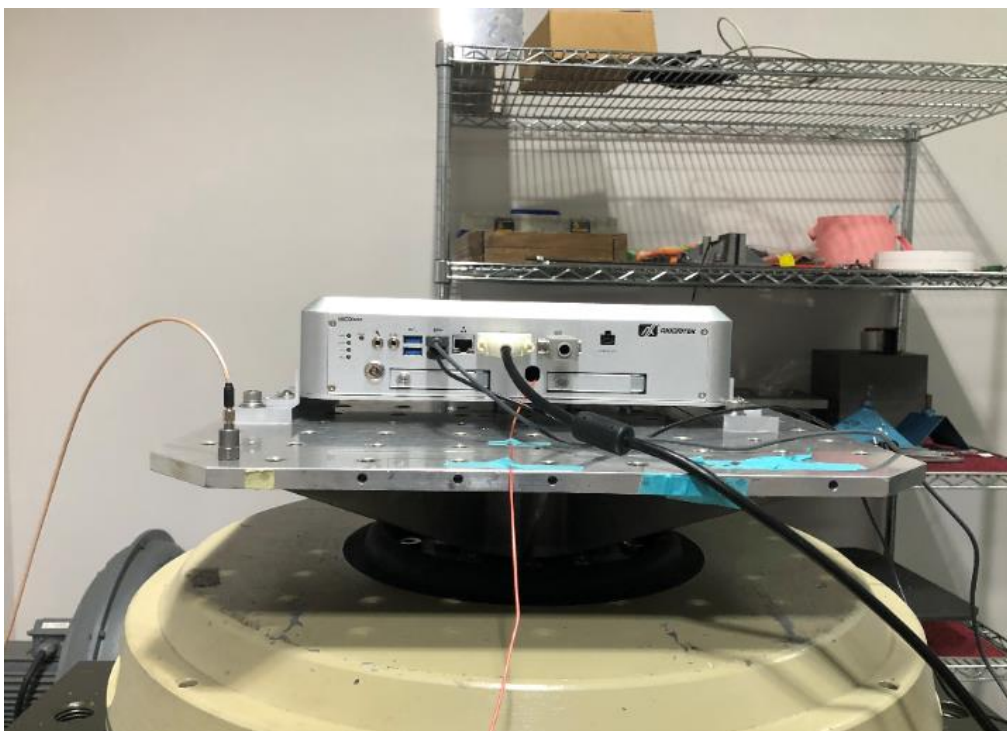


tBOX500-510-FL IEC60945 Vibration Test Report



1. System Configuration

(1) Model: tBOX500-510-FL

(2) Module: VAM100(4*COM)+VAM704(M12*4 D code)

(3) CPU: KBL i7-7600U

(4) DIMM: 2*DDR4-2400 16G

(5) Storage: 1MSATA(OS)+2*Axiomtek SSD: FSA128GMW5T

(6) Power: FSP120-AAAN3

Test Equipment

Vibration Simulator System

KING DESIGN Co., LTD

Model: EM-600F3K40N120

S/N: 9V102220701

Date of Calibration: 9/OCT/2018

2. Test Condition

振动	扫频 2Hz-13.2Hz +/-1mm, 13.2Hz-100Hz 7米/秒 ² , 2小时 在每一次共振, 另外 2 小时 30Hz 在 3 轴
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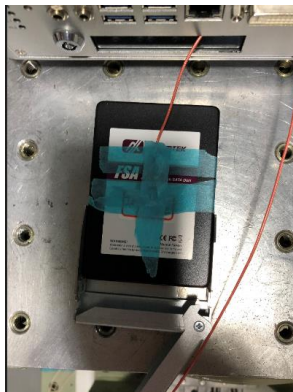
The test procedure was in accordance with IEC60068-2-6:2007

3. Test Result

Axial	Accelerate	Frequency Range	Resonances Frequency
longitudinal	7 m/s ² RMS	2~100Hz	--
transverse	7 m/s ² RMS	2~100Hz	--
vertical	7 m/s ² RMS	2~100Hz	--
Tested		Will Cheng/Jayson Cheng	
Test Result		Passed	

A. Resonance sweep

Z Axis resonance sweep - G-sensor



Control Peak	7.14 m/s ²
Frequency	2~100Hz
Sweep Rate	0.5 Oct/Min
Sweep Type	Log
Total Elapsed Time	00:11:17
Data was saved as a file at time	2018/10/8 10:37:39



X Axis resonance sweep - G-sensor



Control Peak	7.14 m/s ²
Frequency	2~100Hz
Sweep Rate	0.5 Oct/Min
Sweep Type	Log
Total Elapsed Time	00:11:17
Data was saved as a file at time	2018/10/8 15:31:37



Y Axis resonance sweep - G-sensor

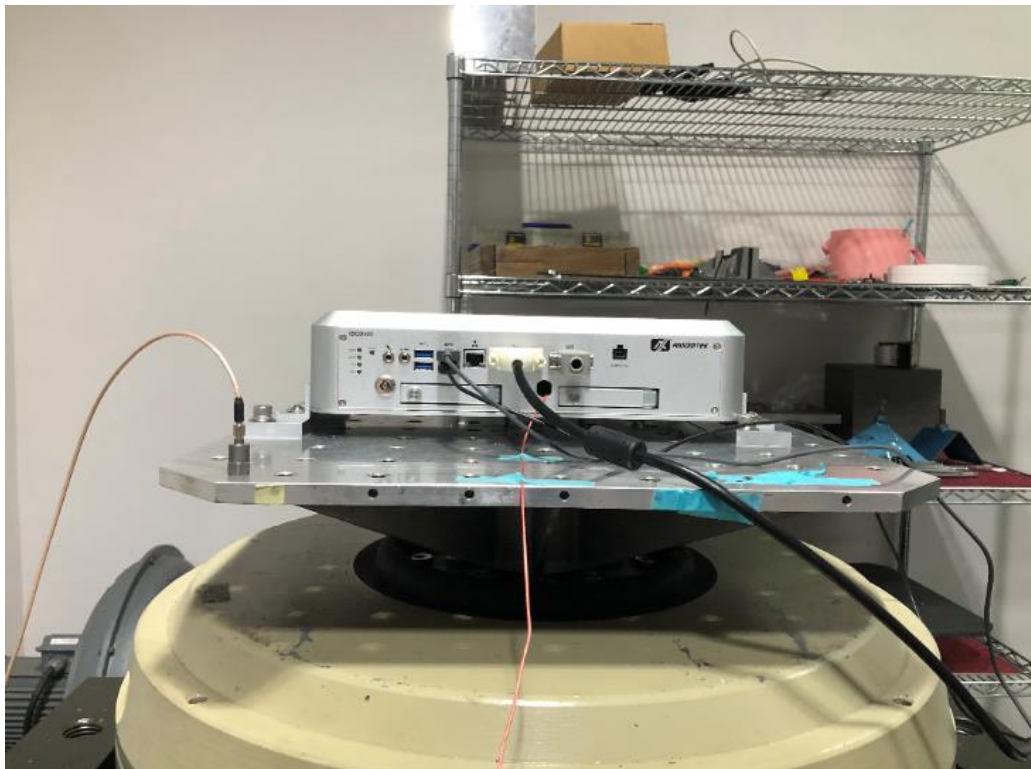


Control Peak	7.14 m/s ²
Frequency	2~100Hz
Sweep Rate	0.5 Oct/Min
Sweep Type	Log
Total Elapsed Time	00:11:17
Data was saved as a file at time	2018/10/9 09:55:43

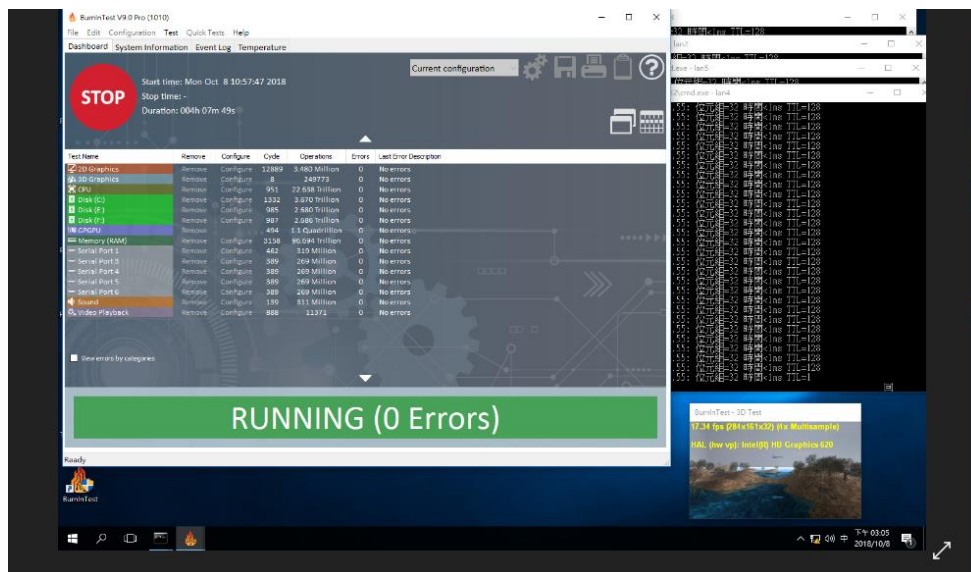
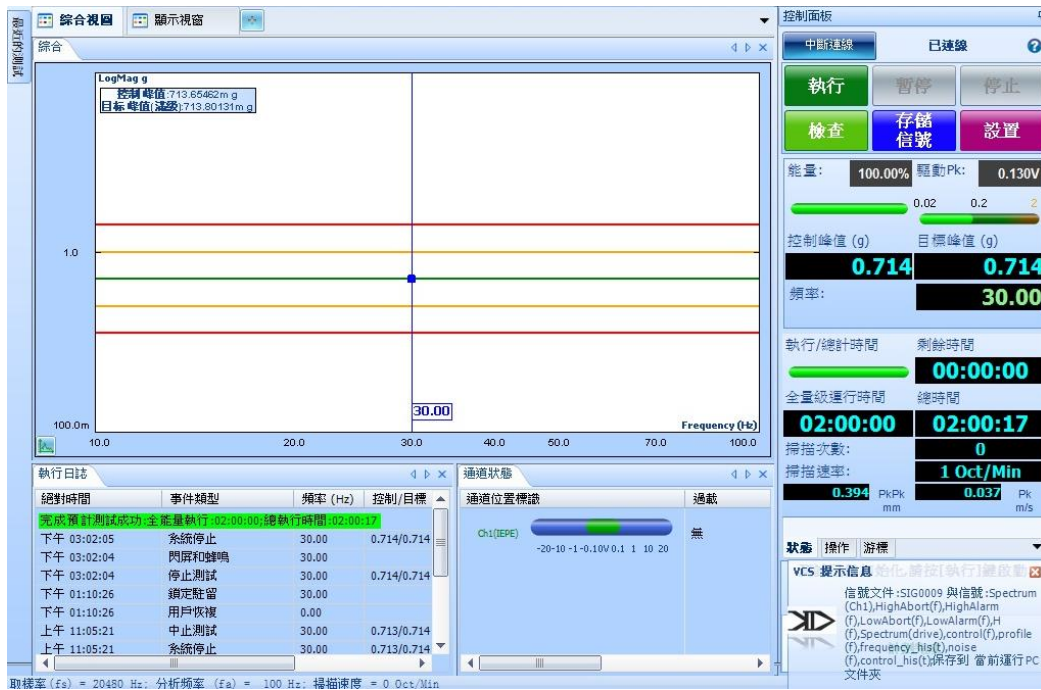


B. Endurance Test

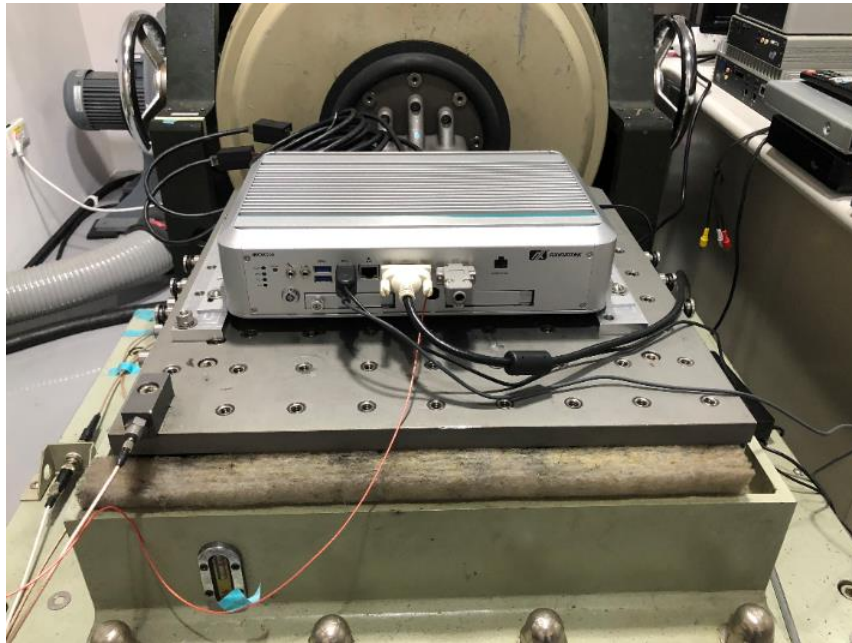
Z Axis endurance test(for 30HZ)



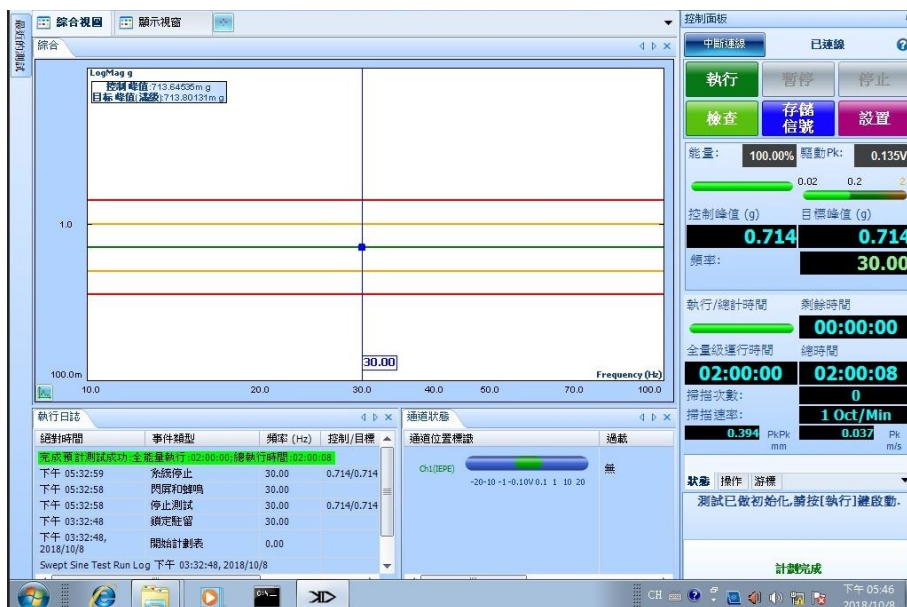
Control Peak	7.14 m/s ²
Frequency	30Hz
Sweep Rate	1 Oct/Min
Sweep Type	Log
Total Elapsed Time	02:00:00
Data was saved as a file at time	2018/10/8 15:02:05

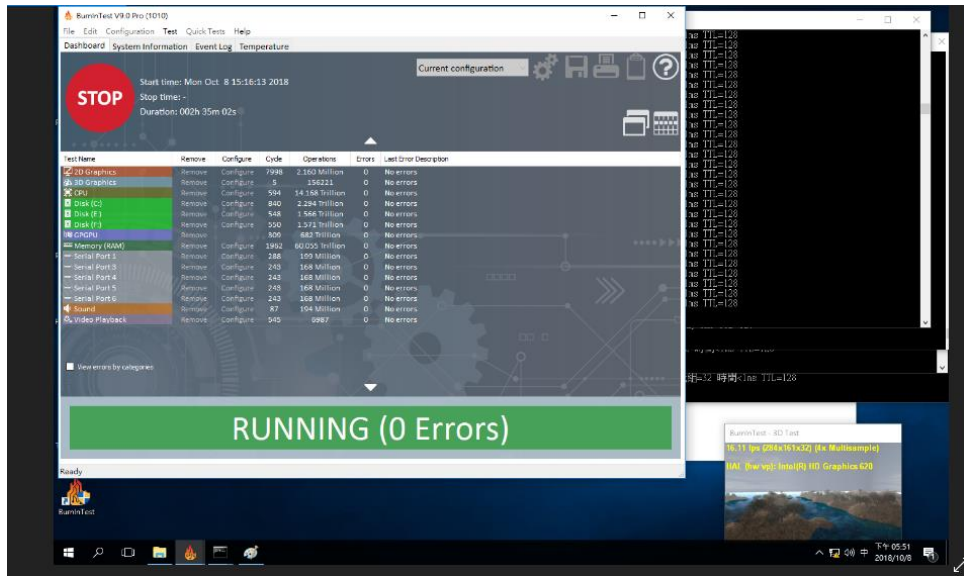


X Axis endurance test(for 30HZ)

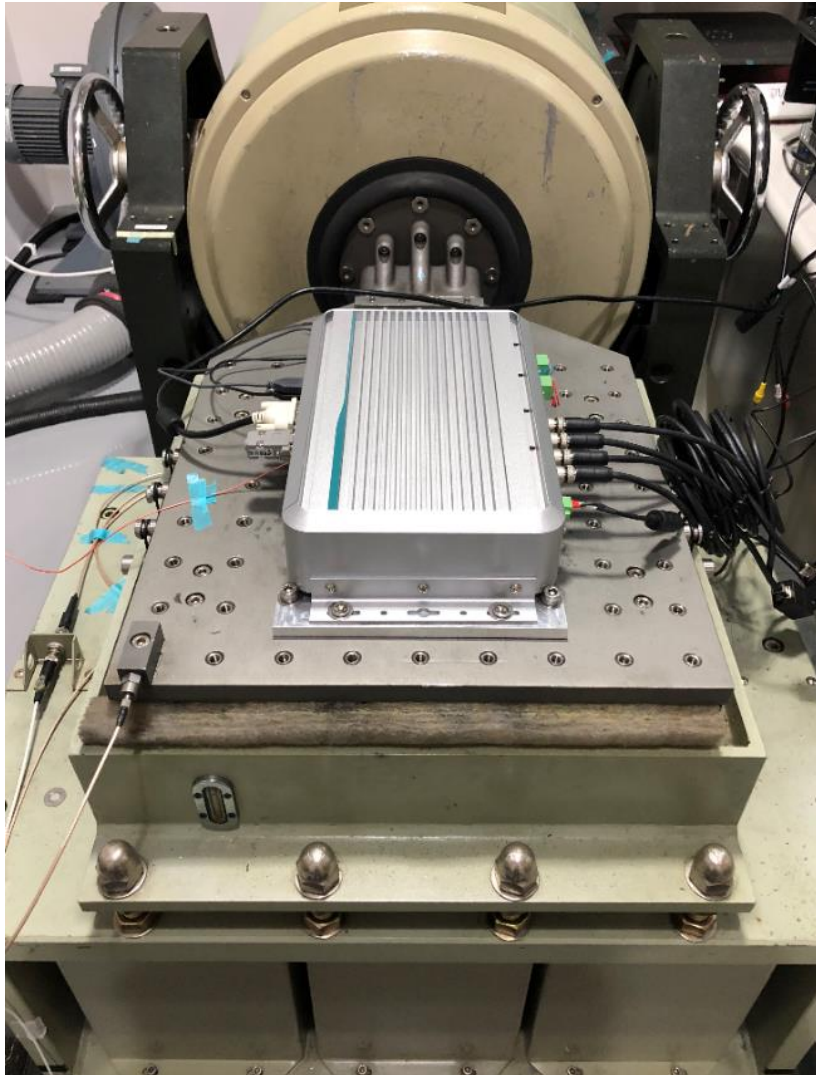


Control Peak	7.14 m/s ²
Frequency	30Hz
Sweep Rate	1 Oct/Min
Sweep Type	Log
Total Elapsed Time	02:00:00
Data was saved as a file at time	2018/10/8 17:32:59





Y Axis endurance test(for 30HZ)



Control Peak	7.14 m/s^2
Frequency	30Hz
Sweep Rate	1 Oct/Min
Sweep Type	Log
Total Elapsed Time	02:00:00
Data was saved as a file at time	2018/10/9 11:55:32

