



Global Product Certification  
EMC-EMF Safety Approvals

**EMC Technologies Pty Ltd**

ABN 82 057 105 549  
176 Harrick Road,  
Keilor Park, VIC 3042 Australia

Ph: + 613 9365 1000  
Fax: + 613 9331 7455  
Email: [sales@emctech.com.au](mailto:sales@emctech.com.au)

---

**To:** Federal Communications Commission

---

**Attention:** Certification Officer **Date:** May 16, 2017

---

**EMC Ref:** M170233

---

**Subject:** FCC ORIGINAL FILING – FCC ID: 2AK7Z-DN01C011F9

---

Company: LX Design House Pty Ltd  
FCC ID: 2AK7Z-DN01C011F9  
EUT: Weir Sensor Node

Test Firm: EMC Technologies Pty Ltd (Registered Site No. 411703, Accredited Site No. AU0002)

LX Design House Pty Ltd applying for FCC certification approval of the Weir Sensor Node (FCC ID: 2AK7Z-DN01C011F9).

The Weir Sensor Node is the component of the Synertrex hose monitoring system responsible for sampling the hose wear status locally, and transmitting the data to the LoRa Base Station, from where it is passed on to the Synertrex cloud dashboard.

EMC Technologies Pty Ltd (FCC Registration No. 90560, Accredited Site No. AU0001) is acting as agent for LX Design House Pty Ltd in this application.

Best Regards

A handwritten signature in black ink, appearing to read "C. Zombolas", is written over a horizontal line.

Chris Zombolas  
Technical Director

EMC Technologies Pty Ltd  
176 Harrick Road, Keilor Park, VIC 3042 Australia  
Ph. +61 3 9365 1000; [www.emctech.com.au](http://www.emctech.com.au)