



Global Product Certification
EMC-EMF Safety Approvals

EMC Technologies Pty Ltd

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To: Federal Communications Commission

Attention: Certification Officer

Date: April 15, 2020

EMC Ref: M2001003

Subject: FCC FILING – Class 2 Permissive Change
FCC ID: YIY-PROD11162

Company: GE Mining Australia
FCC ID: YIY-PROD11162
EUT: COLLISION AVOIDANCE SYSTEM TRANSCEIVER (CAS-GPS Node)

Test Firm: EMC Technologies Pty Ltd (Accredited Test Site Designation No. A0001)

The existing FCC ID: YIY-PROD11162 for CAS-GPS Node (Intelligent multi-purpose node) comprises of a 920 MHz high-performance V2V transceiver, high accuracy Ranging RF transceiver Time of Flight (ToF – FCC ID: SIFNANOPAN5375V1), Personal Area Network (PAN – FCC ID: PVH0965) and internal battery. The grant is for the 920 MHz V2V transceiver installed in the CAS-GPS Node (certified under 15.247).

The ToF transceiver has since been replaced by a new version of the transceiver. GE Mining Australia is applying for a C2PC for FCC ID: YIY-PROD11162 (Collision Avoidance System transceiver – CAS-GPS Node) to add the revised 2.4 GHz ToF module to the current DTS grant.

The original product grant (YIY-PROD11162) was tested with the 2.4 GHz ToF hardware contained within the host.. However, the 2.4 GHz frequencies were not included on host certificate as the old ToF had modular approval (FCC ID: SIFNANOPAN5375V1).

GE Mining declares that no additional hardware has been added to the device and additional testing has been performed to demonstrate compliance (test report provided as part of this application, ToF transceiver tested within the CAS-GPS host to 15.247).

EMC Technologies Pty Ltd is acting as agent for GE Mining Australia in this application.

Best Regards

A handwritten signature in black ink, appearing to read "C. Zombolas".

Chris Zombolas
Technical Director

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