

VEGA INDUSTRIES LIMITED

T: +64 4 238 0200 | F: +64 4 237 4392 | E: sales@vega.co.nz | www.vega.co.nz

PO Box 50443, Porirua 5240, New Zealand | 21 Heriot Drive, Porirua 5022, New Zealand



REF: Equipment Authorisation Submission – Software Defined Radio

FCC ID: 2AEYIV AIS1

June 10, 2015

Attn: Reviewing Engineer
Office of Engineering and Technology
Federal Communications Commission

Dear Sir/Madam,

In the Equipment Authorisation Submission for the Type 1 Vega AIS AtoN Station (FCC ID 2AEYIV AIS1) we have selected 'NO' for the Software Defined Radio question. This is in spite of the fact that the output power can be switched in software between 2W and 12.5W.

The reason for this is that the output power does not change in operation. The output power is set by the customer when configuring the unit; it remains fixed at this level during the operation of the unit (unless the configuration is subsequently changed). This behaviour is allowed in IEC-62320-2.

Based on our understanding of Software Defined/Cognitive Radios, this unit does not qualify as a Software Defined Radio.

We are not able to alter the modulation type or frequency range without making hardware changes.

Please contact me directly if you require any further information to support this request. I can be contacted via email at John.Brook@vega.co.nz or by phone on +64 21 886 244.

Yours sincerely,

John Brook

Engineering Manager