



I n n e r S p a c e S y s t e m s  
C o r p

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March 16, 2008

Product Testing Announcement APECS 2.5.

InnerSpace Systems Corp contracted ElectroMagnetic Investigations, LLC to conduct an independent third party testing for electromagnetic compatibility as part of EN 14143:2003 Respiratory Equipment-Self-Contained Re-breathing Diving Apparatus requirements subsection 5.13.3, electromagnetic compatibility (EMC) and EN standards 61000-6-1, and IEC 61000-4-2 electromagnetic discharge, on the ISC APECS 2.5 electronics system currently used in the ISC Megalodon. The APECS 2.5 system is used on the COPIS, and other supportive systems for the Megalodon CCR.

The objective is to be in full compliance with European Union (CE) requirements, the United States Federal Communication Commission (FCC) and Industry Canada (ICES)

The purpose of the test is to evaluate the performance and measure the EMC and EMI of the current issued APECS system.

See test summary report # INN20070323 April 12, 2007 for testing criteria.

Results: As expected, the APECS family system passes all requirements stated by the EU, FCC, and Industry Canada. ISC will place the required FCC markings on its APECS system.

Why is this important to you as a diver? As divers we are surrounded by a myriad of electromagnetic signals that are radiated from dive lights, CCR electronics, cell phones, and dive boats as examples and thousands of other electronic devices that radiate a signal that can interfere with the reliability of your dive equipment. This is called an unintentional radiator or receiver. An example would be the loss of your tissue groups in a dive computer, turning on a dive light that resets the calibration of your CCR electronics. On a rebreathing system you have many wires that are acting like antennas for receiving a signal or they are radiating a signal that in both instances may effect the reliability of your product or someone else's electronics such as a heart pacer in an extreme case.

The EU directives, U.S. FCC, and the Canadian Industry Canada have established standards with the intent to protect the consumer from such issues.

ISC also tests other associated electronics from other manufactures that are used with ISC products; the benefit is to assure compatibility with ISC products and customer safety.

ISC is also asking manufacturers that do not have the FCC or CE mark assuring compatibility that they volunteer product to ISC and ISC will have the system 3<sup>rd</sup> party tested. ISC will not pay for the testing as that is the responsibility of the originating manufacturer. Test reports will be the property of ISC and the originating manufacturer.

Before using a piece of equipment new to you, ask the manufacturer if they tested for electronic compatibility or look for the mark on their product.