

## **NEW EMP DATA: ELECTROMECHANICAL LOCKS FUNCTION PERFECTLY AFTER MILITARY EMP SIMULATED 'ATTACK'**

NICHOLASVILLE, KENTUCKY (Jan. 19, 2015) – Gun-safe owners and manufacturers using Sargent and Greenleaf, Inc., electromechanical locks are in for some good news this week as many head to the Shooting, Hunting, Outdoors Tradeshow (SHOT) in Las Vegas. S&G released new study data this morning regarding its electromechanical locks and their ability to properly open in the event of an electromagnetic-pulse (EMP) attack or solar incident.

EMP weapons attacks or incidents caused by a solar tsunami, similar to the one scientist say Earth narrowly escaped in 2014, have become a real concern from government to automakers to the consumer gun safe owner.

To address this concern, S&G put its Spartan, Titan and 6100 series electromechanical locks to the test, choosing the three specifically because of their prevalence in consumer gun-safes across a wide range of manufacturers. All three were tested at high-EMP levels in the same independent lab where S&G tests the U.S. government's high-security 2740B locks against EMP "attacks."

"The EMP threat is an important concern for many gun-safe owners, and we wanted to be sure our locks passed the most significant threat potential, testing them at the military's highest EMP impact standards," said Nate Brown, S&G Marketing Manager. "The S&G locks passed the test with flying colors."

Generally, EMP-resistance requirements for electromechanical locks that protect the nation's most classified documents only requires successfully passing testing at an EMP level of between 28 and 37 kV/m exposure.

S&G's study, however, went beyond the standard testing and used an EMP exposure at levels of 50 kV/m – the U.S. military's highest EMP impact standard as found in MIL-STD 461F, Method RS105. The lab tested all three lock series, applying radiant transient electromagnetic field, and each were tested with a variety of S&G keypads, following the Military Standard MIL-STD461F, Method RS105 at 50 kV/m peak exposure.

At the end of the testing series, the S&G locks were still fully functional. S&G credits the locks' resilience to the expertise S&G engineers have applied from working with high-security locks for U.S. government facilities.