1.0 G E N E R A L - Product Description

The equipment under test (EUT) is a device that intentionally transmits a radio frequency (RF) to a transponder key and allows that key to be programmed. The device, with a connection with a PC and programming software allows all electronic keys to be programmed. The keys are "transponders" which are passive, that takes the energy from the magnetic field of any device associated with the manufacturer and is issued a unique number out of 4.3 billion combinations.
The EUT operates at an intentional radiation frequency of 134Khz.
The transmitting antenna is not removable.

1.1 Device Configuration During Test

The device under test was configured to continuously transmit the RF programming parameters of an electronic key. The controller was interfaced via RS 232 to a PC to send the programming parameters from the PC to the controller.
The following was utilized during emissions.
The Laptop computer is manufactured by Toshiba. The Laptop was model number Techra8000. During conducted emissions tests, the laptop computer was powered via internal batteries. During radiated emissions, the laptop computer was powered via 120VAC, 60Hz to 15VDC adapter. The AC adapter was model PA240U manufactured by Toshiba.
Software was utilized to exercise the device. The manufacturer provided the software.
The device was tested in its normal orientation. All other orientation was examined. The data contained in this report represents the worst case axis.
The controller was powered with a 120VAC, 60Hz to 9VDC utilizing a voltage converter. The adapter used was model 35-9-300 C manufactured by CUI Stack.

"The results contained in this report reflect the results for this particular model and serial number. It is the responsibility of the manufacturer to ensure that all production models meet the intent of the requirements detailed within this report."

1.1.1 Deviations from ANSI C63.4 Standard Test Set-up

☒ None