

PHOENIX CONTACT
P.O. Box 4100
Harrisburg, PA 17111-0100
Phone: 717-944-1300
Fax: 717-944-1625
Website: www.phoenixcontact.com

03/20/13

Dear Application Examiner,

Phoenix Contact, SHR-900, SGV-SHR-900, would like to have your authorization for a limited modular approval specific to the use in Phoenix Contact Process control and industrial automation equipment.

The requirements of Public Notice DA00-1407 have been met and shown on the following statements.

1. **“The modular transmitter must have its own RF shielding.”:** All RF circuitry within the SHR-900 is shielded. The with the antenna connection is made via a shielded coaxial connector and cable.
2. **“The modular transmitter must have buffered modulation/data inputs.”:** Digital data enters and exits the SHR-900 module via a SPI interface A microprocessor within the module buffers and packetizes the data for wireless transmission and reception.
3. **“The modular transmitter must have its own power supply regulation.”:** In all cases the SHR-900 module will be embedded into a host device which provided regulated power.
4. **“The modular transmitter must comply with the antenna requirements of section 15.203 and 15.204(C).”:** The SHR-900 utilizes a non-standard Reverse Gender SMA connector for all antenna connections.
5. **“The modular transmitter must be tested in a stand-alone configuration”:** The SHR-900 is tested in stand-alone configuration with the use of a PCI style connector mounted to a passive board.
6. **“The modular transmitter must be labeled with its own FCC ID number.”:** The module is labeled with the model number, SHR-900, the FCC id number, SGV-SHR-900, and with IC id Number, IC:4720C-SHR-900.
7. **“The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements.”:** The SHR-900 will not be sold as a standalone module but will instead be incorporated into Phoenix products such as the RAD-900-IFS. The RAD-900-IFS is subject to professional installation per the instructions contained in its data sheet
8. **“The modular transmitter must comply with any applicable RF exposure requirements.”:** The SHR-900 employs a unique antenna connector allowing to be used exclusively with Phoenix Contact supplied antennas.

Please contact me if you have any further questions.

Regards,

Thomas H. Olsen
Project Manager