

On behalf of Houston Radar, LLC, Professional Testing (EMI), Inc. is seeking a modular approval for the SS300 Doppler Radar. Requirements listed in FCC Part 15.212 are addressed below.

- 1) The device has a RF shield installed. The RF portion of the device is a Gunn Oscillator which is enclosed in a solid metal case. Please refer to the internal photographs.
- 2) The external data inputs are routed to a microcontroller. All of the data inputs are buffered.
- 3) The RF portion of the device contains internal power supply regulation.
- 4) The antenna requirement is addressed in the test report.
- 5) The module was tested in a stand alone configuration. It is intended to be used as a Serial device. While testing the unit was powered using an external 12 Volt Battery
- 6) A sticker is affixed to the back side of the EUT. The manual contains the explicit directions to label the exterior of the the device into which the EUT is integrated with "Contains FCC ID:TIASS300".
- 7) The Users Manual explains that any modifications may strictly void the certification and a separate approval must be obtained.
- 8) The device is very low power. The maximum rated power of the device is 5mW. The device is not intended to be mounted within 20 cm of a human. The device is therefore exempt from SAR evaluation.