

STG Aerospace Inc.

S10011 Unlicensed Radio Module Compliance Statement

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1 Introduction

The S10011 device is a transceiver module used in the control of networked devices. S10011 is known as the “TP Board”.

The transceiver module has been designed to meet the general emissions limits of the FCC CFR 47: Parts 15B and C. The frequency used is 2.45 GHz.

2 Unlicensed Modular Transmitter Approval

According to DA 00-1047 the requirements for modular transmitter approval are met by the following compliance statements:

1. Own RF Shielding. The transmitter has its own metal shielding, in addition to a ground plane on the bottom of the circuit board.
2. Buffered modulation/data inputs. No data inputs are provided on the board that connect to the transmitter. The processor drives the transmitter directly at a fixed data rate.
3. Supply regulation. The transmitter has power regulation provided on-board by U2, U12 and U13.
4. Transmit antenna. The transmit antenna is permanently attached and is part of the circuit board.
5. Stand-alone test. The emissions tests were carried out in a stand-alone configuration with battery power. The unit is designed for DC operation and will not be used from AC supplies or from units connected to AC supplies.
6. Labeling. The unit will be labeled with its own FCC ID number. Instructions for labeling the outside of the device into which the S10011 is installed are contained in the installation guide.
7. Operating requirements. The S10011 module is designed to operate under the General Limits specified in Section 15.209 and as such there are no specific operational requirements.
8. Exposure requirements. The S10011 module is designed to operate under the General Limits specified in Section 15.209 and as such there are no specific exposure requirements.

3 Label

The S10011 module will be labelled (printed directly onto the pcb board) with the FCC ID number Q52-TP100. The module is not visible when installed in system and therefore a label with the FCC ID of the module is located on the out case of the unit carrying the module.