

Request for Modular Approval – FCC ID: S6J-1116

Technology Solutions (UK) Ltd are seeking FCC approval for the 1116 UHF RFID reader as a module. The reader is compliant to the conditions in Public Notice DA 00-1407 and FCC 07-56:

- 1. The modular transmitter must have its own RF shielding.**
The module has an RF shield as shown in the photographs submitted as part of this application.
- 2. The modular transmitter must have buffered modulation/data inputs.**
The module incorporates a microcontroller that interprets commands from the host and controls the RF section. This ensures that data from the host cannot cause the RF section to over modulate or attempt to signal at excessive data rates.
- 3. The modular transmitter must have its own power supply regulation.**
All internal supplies are regulated in the module.
- 4. The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204c.**
The module shall only be used with the antenna it was tested with. Permitted antennas are listed in the User Manual.
- 5. The modular transmitter must be tested in a standalone configuration.**
The module was tested in a standalone configuration. The host computer (Support Equipment) was separated from the EUT using a 15cm cable to ensure that there was no coupling between the host Support Equipment and the EUT.
- 6. The modular transmitter must be labelled with its own FCC ID number.**
The module is labelled with its own FCC ID number. Labelling information is shown in the 'FCC ID label and location' document. When the module is fitted inside the final product it may not be possible to see the module ID label. In this case the final product label will include the text "Contains FCC ID: S6J-1116"

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 such requirements.**

The module is compliant with all applicable FCC rules.

8. **The modular transmitter must comply with any applicable RF exposure requirements.**

RF exposure calculations are provided in the separate document 'FCC MPE Power Density.pdf'.