



2111 Single Limited Modular Transmitter Integration, Usage Limitations, and Grant Comments

Scope

This document identifies the integration requirements and usage limitations of the 2111 Single Limited Modular Transmitter as required by FCC 15.212 and KDB 996369. Pertinent grant comments as identified in KDB 821551 are also identified

Integration Requirements

1. The 2111 Single Limited Modular Transmitter (2111 Module) shall be used PLUS Location Systems USA, LCC (PLUS), for integration into its own host devices. The 2111 Module shall not be sold or otherwise provided to third parties for integration into other devices. Third parties are prohibited from modifying the 2111 Module or integrating the 2111 Module into any host device.
2. Integration requirements provided herein shall be strictly followed by PLUS when incorporating the 2111 Module into any host device.
3. The 2111 Module includes an integrated antenna which shall not be modified as part of the integration into host devices.
4. The 2111 Module circuit board and active hardware components that determine transmitted signal radio parameters (such as output power and frequency) shall not be modified as part of the integration process into host devices.
5. The 2111 Module shall operate from a nominal 3 VDC power source provided by the host device. When integrated into the host product, the 2111 Module shall not be modified to operate at other voltages.
6. The 2111 Module shall be integrated into a host device utilizing an enclosure to provide physical protection for the internal components. The 2111 Module shall not rely on properties of the host device enclosure to meet emission limitations. The host device enclosure may vary in size, thickness and material type provided that all grant limitations are maintained.
7. The 2111 Module transmit signal characteristics shall not be controlled or modified by any external interface or user input mechanism.
8. The 2111 Module transmit signal characteristics shall not be controlled or modified by any autonomous (internally software managed) process.
9. The 2111 Module shall be labelled with its FCC ID number.
10. All 2111 Module host devices shall include a label identifying the FCC ID of the internal 2111 Module.
11. All 2111 Module host devices shall comply with all applicable FCC equipment authorizations regulations, requirements and equipment functions not associated with the transmitter module portion.

Grant Comments

1. The 2111 Module and any host device shall comply with transmitted power limits as identified in FCC 15.519 (i.e. in-band EIRP not to exceed -41.3 dBm/MHz). As the 2111 Module has been lab tested for compliance with the 15.519 limits, and no user controls or modifications to the transmitted signal are enabled, compliance with these limits is maintained.
2. The 2111 Module includes an integrated antenna. The host device shall not provide a mechanism for disconnecting, changing, or bypassing the integrated antenna.
3. The 2111 Module and host device duty cycle factor shall be limited by factory firmware settings.
4. The 2111 Module and host devices may not be employed for the operation of toys.
5. Operation onboard an aircraft, a ship or a satellite is prohibited.