



To whom it concerns

FCC ID: O9EM2113

Wavecom is submitting this application for a modularized transmitter to be operated in the 1850 to 1910 MHz band. It is intended to be used as a fixed or mobile transmitter to be integrated into a variety of products to provide wireless access to a PCS network. The module is a dual band transmitter intended to operate in the European GSM cellular network and the PCS American network using GSM protocols. Since the GSM cellular network is not available in the US, the device cannot be operated at this frequency in the US. Application examples include but are not limited to: data acquisition for mobile products, fleet management, meter reading, theft protection, emergency calls, and alarm devices where separation distance between the transmitter and the user is specified to be 20 cm or more.

This device is not intended to be used in portable products as defined in Section 2.1093 of the FCC Rules. For purposes of RF Exposure requirements, it is intended for mobile and fixed use only as defined in Section 2.1091 of the FCC Rules. Further, manufacturers and installers are warned that the maximum gain of the antenna that is attached to the devices is limited to 3.0 dBi yielding an EIRP of 2 watts or less for mobile use and 7 dBi for fixed use. Please see the attachments for further information regarding this requirement.

The module contains its own power supply regulator, data interfaces and buffering and is completely shielded by its own case. Wavecom requires other manufacturers that are using this product to use an antenna with no more than 3 dBi gain for mobile applications and 7 dBi for fixed applications.

The measurements were done with a test jig, which provided the interface to operate the device under test. This measure showed also the capability to fulfill all the requirements without the additional shielding from any host equipment.

The reported radiated values are only informal since the antenna used will not be sold with the product. All references like RF exposure are based on the conducted measurements.

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