

To: Valeria Mednikov
Subject: FCC ID: PIDMARCONI

Importance: High

Valeria,

1.) All Applications for equipment authorization must include an RF exposure evaluation. This is missing. The form of the evaluation can be either a SAR or MPE evaluation. Since this equipment is used on fixed outdoor or indoor locations, MPE would be appropriate. Please show this evaluation for all antennas. Appropriate warnings and installation instructions must be present in the manual. Please address.

2.) Please provide an attestation as to professional installation. See 15.203.

3.) 15.247 (b)(3) allows for operation in excess of the de-facto 4W EIRP limit assuming the device is used exclusively for fixed point to point services. You are rating the equipment as .3W on the 731 form and combined with up to a 15dBi (or 18?) gain antenna. This appears to be against the provision of 15.247(b)((3)(iii). Please explain.

4.) According to your manual, your equipment appears capable of indoor usage. These would qualify, for the purposes of RF exposure evaluation, mobile transmitters. [See 2.1091] Consequently, the total peak conducted and peak radiated EIRP must not exceed 200mW. Please review the attached documents. As a suggestion, it may be most appropriate to separate the outdoor fixed equipment from the "mobile" [i.e. indoor] equipment with a different application.

5.) Section 4.1 of your manual indicates the equipment can operate in TDMA mode. Does this mean the transmitter will sit on one specific frequency? If so, it will not qualify as a spread spectrum radio .

6.) Third party antennas are not permitted unless they are tested and shown in the test report. Ideally, all antennas should be identified by manufacturer and part number or type, and corresponding gain

There may be other questions which occur with this application. There is much for me as examining engineer to understand about this system, and consequently more questions may be forthcoming.

Bill

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