

FCC Correspondence

From: Generic Office of Engineering Technology [oetech@fccsun27w.fcc.gov]
Sent: Monday, March 26, 2007 11:12 AM
To: TCB@ckccertification.com
Subject: Response to Inquiry to FCC (Tracking Number 545078)
Inquiry:

Regarding a device operating under FCC 15.247:

We have a manufacturer who wishes to modify their unit to include a specific cable loss prior to the antenna. The change in output power does not require any modification of the hardware, it is a firmware change only which is controlled by the manufacturer.

The power output of the transmitter itself would be compensated such that the measured output power with the specified cable would be equal to that listed on the approved grant (previously measured without the cable). So, there would be no change in the power output listing. In order to do this, the manufacturer intends to declare professional installation of the product as this equipment is not meant for end-consumer use. Of course, all necessary parameters will be measured to ensure continued compliance of the product.

This would precipitate a change to the grant notes to include statements similar to Professional installation required. and This transmitter is restricted for use with the specific antenna(s) and length of coaxial cable, with minimum loss of xx dB, as tested in this application for Certification.

May this type of change be performed using a Class II permissive change?

Response:

This is permissible for a Class II permissive change. The conducted power at the antenna cannot change. The Grant condition will specify the type of cable and minimum length required for compliance. In addition the device must be marked with the specific cable (and antenna) and it must meet the antenna requirements of Section 15.203. The professional installation manual must provide the necessary information.

Do not reply to this message. Please select the Reply to an Inquiry Response link from the OET Inquiry System to add any additional information pertaining to this inquiry.