

Scott McCutchan

From: Scott McCutchan [scott@celectronics.com]
Sent: Tuesday, April 15, 2003 12:46 PM
To: joey@celectronics.com
Cc: Ruby Hall
Subject: FCC ID: QY4KTX433

Mr. Madlangbayan,

In order for processing of this application () to continue, the following issue(s) will have to be addressed:

- 1) The duty cycle plot submitted is not sufficient. In order to calculate the duty cycle correction factor, please submit a spectrum analyzer plot(s) with the span = 0. One plot (approximately 100 ms) should show the entire pulse train. Include other plots as necessary so that the short and long pulses may be counted and the length of each pulsed may be determined.
- 2) Please verify that 433.92 is the lowest frequency generated in the device, and that the 433.92 MHz does not get divided down for any reason.
- 3) The test report indicates that a 120 kHz resolution bandwidth was utilized for radiated emissions testing. As per section 15.35(b), a resolution bandwidth of 1 MHz is to be used for frequency above 1 GHz.
- 4) Please indicate how the antenna complies with section 15.203.
- 5) According to the test report, the device was tested while powered by a DC power supply. As per section 15.31(e), battery powered devices shall be tested using a new battery. Please indicate whether tests were performed to determine whether testing with a new battery affects the emissions.
- 6) Please indicate how the device complies with section 15.231(a)(1), which states that a manually operated device shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.
- 7) The product description in the test report states that the device is used for remote control brake operation in a towed vehicle. This implies that this is an automatically activated transmitter, which does not agree with the rest of the information in the application. Please clarify.

The item(s) indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 60 days of the original e-mail date may result in application dismissal and forfeiture of the filing fee. Also, please note that partial responses increase processing time and should not be submitted. Please upload responses and/or exhibits to the electronic filing website. Your correspondence number is FCC ID: QY4KTX433-1.

If you have any questions, feel free to contact me.

Best regards,

Scott McCutchan
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Correspondence by Project

Project Number:

1698859101

Correspondence Number	Memo
FCC ID: QY4KTZ433-1	Mr. McCutchen, I am submitting the requested information and data as requested from the original package submittal. Please review the information in the attachments following. Thank You, Joey Madlangbayan