



From: Marianne Bosley
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Cc: 'shirley_tsang@hkstc.com'; 'gcuzmak@metlabs.com'
Subject: Metrak #13415 Excel Engineering (HK) Co Ltd. FCC ID: OWGNRM180
Sent: 2/25/2003 12:51 PM **Importance:** Normal

Hello,

The technical reviewer has the following issues. Please respond and we will continue with this project. Thank you.

1. The unit apparently has provisions for connection of an AC/DC adapter, and Line Conducted Measurements were performed in accordance

with FCC 15.207. However, there was no test setup photograph or diagram of the Line Conducted Test setup required by ANSI C63.4. Please provide

a photograph of the Line Conducted Test Setup.

2. Also note that the Line Conducted Emissions limits listed on pages 15 & 16 seem to imply that you are using the old emissions limits and not

the new limits adopted from the CISPR 22 limits. Please confirm if you are using the new CISPR 2 limits as referenced in the current version of

FCC Pt. 15.207. If the old limits are used then the Grant will be conditioned to 'expire' in 2005, which does not seem necessary in this

application.

3. Please note that the limits on the measurements on the tables on pages 15 & 16 of 22 should be dBuV and not dBuV/m.

4. The Radiated Spurious Emissions seem to have been performed without the AC/DC adapter (see photographs on pages 21 & 22 of 22). If this is

correct, please re-test the fundamental emission and Spurious Emissions with the adapter connected.

5. The Bandedge plot on page 18 appears to show emissions within the 26dB point that is out of the 49.82MHz lower band edge, showing apparent noncompliance with Section 15.235(b). The plot on page 19 of 22 appears to be clipped in amplitude, and thus I can not determine the 26dB points. Replot the emission, using the same span, but with a RBW = 1 kHz (VBW >= RBW). This would be 1% of the span, as is recommended.

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