Thomas N. Cokenias *EMC & Radio Type Approvals*
Test & Consulting Services for Commercial, Military, International Compliance
P.O. Box 1086
El Granada, CA 94018

1 Sept 2000

Hi Andy,

Breezecom's answers in red after each point:

Re: FCC ID LKT-IF-MMDS1
Applicant: BreezeCom Ltd.
Correspondence Reference Number: 15871
731 Confirmation Number: EA98247
Date of Original E-Mail: 09/01/2000

The following request pertains to the MPE review. The equipment authorization review will follow shortly.

1. The MPE info describes three antennas, a 2 dBi monopole, a 6 dBi Omni and a 8.5 dBi Uni-Omni. The MPE estimation was based on 30 dBm output for a 17 dBi antenna, which resulted in a separation distance of 63.2 cm. The revised MPE info is proposing a separation distance of 64 cm to be indicated on an RF exposure label placed on the side of the unit. The specifications for this device indicates a single antenna with 17 dBi gain. Please clarify the number of antennas to be used by this device, the correct antenna gain(s) and reconfirm the MPE estimations.

ANS1: There will be 4 antennas all together. The specification is being updated to include them all. The correct antenna gains are as shown. The MPE estimation is based on worst case and this same label will be used regardless of antennas, as this is outdoor unit and in the interest of saving money regarding label printing, documentation of different labels, ECOs, etc.

2. Radio specifications for this device is indicating 27 dBm typical output. Test data has 29.3 dBm output and MPE info has 30 dBm output. Please clarify output discrepancies.

ANS2: Per Breezecom engineer, design target is 27 dBm, with variance of about 1.5 or so. The unit we measured seemed to be "hot" but as it is within the expected variance, we are rounding up 0.7 dBm, and basing calculations on the worst case.

3. Revised MPE info indicated an RF exposure label will be placed on the side of the unit. In order for the label to be seen by persons in the vicinity of the antenna/outdoor unit, it should be placed on the antenna at locations where people can readily read the label at the required

separation distance. Please provide a sample of the label, indicating its dimensions and exact location on the antenna.

ANS3: Breezecom will place the label on the antenna rather than on the ODU.

4. Only the RF exposure label required by Table 1 of 1.1307 is handled during equipment approval. RF exposure compliance for fixed transmitters are typically addressed at the time of

site licensing or other similar licensing procedures, as required by the appropriate bureau(s). This will be clarified on the grant of equipment authorization to avoid confusion.

ANS4: Understood.

FYI: In the future, enter the RF exposure data in the RF exposure exhibit. It slows down the review time when it is in the test report exhibit.

Will do. Thanks for the heads-up.

If you still have questions or need further information, please don't hesitate to call.

Sincerely,

Agent for Breezecom Ltd.

tel: 650-726-1263 fax: 650-726-1252 internet: trephonc@macconnect.com