



2004-06-15

Applicant: Genex Telecom Co., Ltd.

FCC ID: PM3GX80

Correspondence Reference Number: 26809

731 Confirmation Number: EA778782

Date of Original E-Mail: 5/13/2004

Subject: FCC Equipment Authorization System

1) Please justify that phantom meets Supplement C recommendations of twice the device size in length and width.

Answer: Please see the new test setup photos in updated SAR report page 50 and the flat phantom dimension on page 47.

2) Please provide SAR contour plots covering the entire device and antenna.

Answer: Please see the new plots for test results in updated SAR report page 48-49.

3) Please update the user manual statements to include instructions for assuring 50 % duty factor for VOX operation.

Answer: Please see the updated users manual page 1 and the programming manual.

4) The FCC believes the SAR tests performed contain factors that significantly increase measurement uncertainty.

The large power droop in the device under test produces a dynamic SAR distribution. The SAR measurement system used appears to assume a constant distribution. To determine if the SAR values provided are conservative please perform two additional tests 1) a SAR test using an external power supply to supplement the batteries. Please use shielding and ferrite current dampeners on any wires used. 2) A test starting after the output power has stabilized, the SAR value should then be scaled up to full power. Tests in the worst case configuration for both head and body is considered sufficient.

Answer: We are now using DC power supply to do the testing. Please refer to the new SAR report page 47-50.

5) Please show calculations of the necessary bandwidth per Section 2.202 of the FCC rules.

Answer: Please see formula on the new FCC test report page 16 for the calculations of the bandwidth.

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