

To: John K
Subject: RE: Linear Corp. Part 95B radio FCC ID: EF4RFI00001

John:

we have completed the review of your application, and invite your response to the following comments:

1) Form 731 emission designator: please define the necessary bandwidth to accompany the emission designator F3E. A maximum deviation of 12.5 kHz is permitted, but the necessary bandwidth should be calculated from the formulas in 2.202(b) - or, if there is no appropriate formula - on the 99% bandwidth. The value should be justified by measurement or calculation.

2) Tune-up procedure per 2.1033(c)(9): cannot find, please indicate where to look, or provide.

3) RF power per 2.1046: the measurement method is not clear. Please note that for non-detachable antennas the output power should be determined by the substitution method of ANSI/TIS/EIA-603, which is also a good guide for other mobile radio measurements.

4) Modulation characteristics per 2.1047: please provide plots of frequency characteristics and modulating limiting characteristics per the attached samples from certified devices. A table showing modulation index would be desirable.

5) Occupied bandwidth per 2.1049: How was the occupied bandwidth measured in the test report?

6) Spurious emissions at antenna terminals per 2.1051: Please provide a plot showing compliance with the emission mask, per the attached sample.

7) Frequency stability per 2.1055: Refers to a temperature limitation in the user manual, which I cannot find; please indicate where it is found. The required test range for this device is -30 to +50C, and no exceptions are generally allowed. Devices may cease operation before the extremes are met, and that is acceptable. Please comment.

Thank you,
Roland W. Gubisch
Chief Engineer, EMC and Telecom
Intertek Testing Services NA, Inc.
ETL SEMKO
70 Codman Hill Road
Boxborough, MA 01719
tel 978-635-8500 direct
fax 978-263-7086
email rwg@etlsemko.com <<mailto:rwg@etlsemko.com>>

-----Original Message-----

From: John K [<mailto:johnk@linearcorp.com>]
Sent: Friday, June 15, 2001 11:16 AM
To: rwg@itsqs.com
Cc: Jim Repking; John Kuivinen
Subject: Re: Linear Corp. Part 95B radio FCC ID: EF4RFI00001

Are things progressing OK?

Do you need any further information on our RF Intercom for the FCC Certification?

John Kuivinen, P.E.
Regulatory Compliance Engineer
Linear Corporation