



Elliott Laboratories LLC
www.elliottlabs.com

41039 Boyce Road
Fremont, CA 94538

510-578-3500 Phone
510-440-9525 Fax

Elliott TCB
684 W. Maude Ave
Sunnyvale, CA, 94085

To whom it may concern:

The enclosed documents constitute a formal submittal and application for a FCC Certification and IC Reassessment for a land mobile radio GE MDS LLC SD9. The FCC Certification is for:

- Subpart M of Part 90 of FCC Rules (CFR 47) – Intelligent Transportation Systems Radio Service
- Subpart C of Part 101 of FCC Rules (CFR 47) - Fixed Microwave Services
- Subpart D of Part 24 of FCC Rules (CFR 47) – Narrowband Personal Communications Service

Original test data from 2009 was performed for 12.5 and 25 kHz channel spacing for Parts 90 and 101. Additional testing for 6.25 and 50 kHz channel spacings and 12.5 and 25 kHz channels spacings with different frequency deviations from the original 2009 data have been included. For this new data, only power, bandwidth and emissions mask data is provided, as in all other respects, the radio is identical to the originally tested radio. Only the software was changed to allow other bandwidths. Both conducted and radiated spurious emissions from 30MHz to 9GHz were measured during the original testing of the device when operating in a channel bandwidth of 12.5 KHz and were all below a level of -23dBm. As the output power is not increased and the emission bandwidths are smaller than the measurement bandwidths for spurious emissions, the original data is still valid for the new bandwidth(s).

The table below lists the various bandwidths width requested in this application.

Bandwidths for FCC Certification application:			
FCC Part 90	6.25 kHz Spacing: 4.2 kHz	12.5 kHz Spacing: 10.6 kHz	25 kHz Spacing: 16.2 kHz
FCC Part 101	12.5 kHz Spacing: 10.6 kHz	25 kHz Spacing: 16.2 kHz	50 kHz Spacing: 30.5 kHz
FCC Part 24	12.5 kHz Spacing: 7.2 kHz	25 kHz Spacing: 18.2 kHz	50 kHz Spacing: 30.5 kHz

Elliott Laboratories, as duly authorized agent prepared this submittal. A copy of the letter of our appointment as agent is included with the application.

If there are any questions or if further information is needed, please contact Elliott Laboratories for assistance.

Sincerely,

David W. Bare
Chief Engineer