0401-EX-ST-2000

July 17, 2000

Federal Communication Commission
Experimental Radio Service
P.O. Box 358320
Pittsburgh, PA 15251-5320

Subject: Honda R&D Americas, Inc.'s Application for STA

Honda R&D Americas, Inc wishes to apply for Special Temporary Authority (STA) for the purpose of operating a single mobile radar device, mounted onto a passenger car chassis, for the development of ACC (Adaptive Cruise Control Systems) in the US Transportation Industry. This request is same as the one we had applied before, dated January 12, 2000.

The device itself enhances the performance of existing cruise control systems and is viewed to assist in creating a high level of awareness for driver of the vehicle, when the ACC is activated. The STA will provide Honda R&D the opportunity to expand on the cumulative efforts of our company over the past 10 years, with the goal of promoting these kinds of systems here in the US.

The device is as described below.

Presently the device under development operates in the millimeter wave frequency band 76.5GHz +/-50MHz. The unit is manufactured by Fujitsu Ten. The device has an effective radiated power emission of no greater than 2 milli-watts, with an antenna gain of 30.5dB. The spurious power emission is less than 100 micro-watts. The detection range is set for 120 meters and signal is classified as Frequency Modulated-Continuous Wave type device. The unit is to be mounted less than 1 meter above the road. A single vehicle with unit is configured for data gathering purpose.

The device will only be in use for a period of 6 months between July, 2000 and January 2001. The use will be limited to Ohio, Michigan, Indiana and Colorado, during the hours of 5:00AM and 12:00AM.

If further information is deemed necessary, I will be pleased to supply such information upon request.

Sincerely,

Seichiro Okada
Chief Engineer

Sincerely,

John Vilkinofsky
Principal Engineer