

2060-EX-ST-1999

FUJITSU TEN

February 11, 1999

Attn.: Douglas A. Young
Federal Communications Commission
Experimental Licensing Branch
2000 M Street, Suite 230
Washington, DC 20554

TCMI19-M0058

Subject : Fujitsu Ten Corp. of America's Application for STA

Dear Douglas,

FUJITSU TEN Corp. of America wishes to apply for Special Temporary Authority for purpose of operating a single mobile radar device, mounted onto a passenger car chassis, for the development of Adaptive Cruise Controls Systems in the US Transportation Industry.

The device itself enhances the performance of existing cruise control systems and is viewed to assist in creating a higher level of awareness for the operator of the vehicle, when the cruise control system is activated. The STA will provide Fujitsu Ten the opportunity the cumulative efforts of our company over the past 26 years, with the goal of promoting similar such application of devices here in the US.

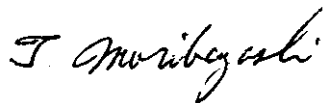
The devices as described below does not meet with current FCC guidelines.

Presently the device under development operates in the millimeter wave frequency band of 60.5GHz +/-50.0MHz. The unit is manufactured by Fujitsu Ten and has a model number C8702 with a MPT #YKA0000109 issued by the Ministry of Post and Telecommunication in Japan. The device has an effective radiated power emission of no greater than 2 milli watts, with an antenna gain of 32dB +/-3dB. 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 be configured for demonstration purposes and data gathering purposes. We will not develop for permanent use in the US in the 60-61GHz band.

The device will only be in use for a period of 6 months between April, 1999 and September 1999. The use will be limited to the metropolitan Detroit area and if necessary use can be restricted to the I-696, I-275, M-14, I-75 interstate corridor, during the hours of 6:00AM and 8:00PM.

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

Sincerely,



Maury Moribayashi
Manager, Technical Center

Best Regards,



Andy Matsui
Senior Engineer, Technical Center

FUJITSU TEN CORP. OF AMERICA

46029 FIVE MILE ROAD, PLYMOUTH, MI 48170 • PHONE: (734) 414-6620 • FAX: (734) 414-6660