

APPLIED MATERIALS

May 6, 1998



To: Doug Young
c/o Federal Communications Commission
Experimental Radio Services
PO Box 358320
Pittsburgh PA 15251-5320

From: Scott Edmonson
Applied Materials
4250 Burton Drive
M/S 2433
Santa Clara CA 95054

need 6/1/98

Dear Mr. Young:

Enclosed please find my application for extension of the experimental Special Temporary Authority (STA), call sign KS2XAA, granted to Applied Materials Inc., for the purpose of performing radiated immunity testing on their products to determine compliance to the Electromagnetic Compatibility (EMC) Directive.

The current STA expired yesterday (May 5, 1998) and we will require EMC testing to be performed at the beginning of June on a new product, the 300mm Metallization System, which is a multichamber single wafer platform used in manufacture of semiconductors.

The testing of the 300mm System in June will cover approximately one week, with no more than one day required for the radiated immunity testing, which consists of subjecting the Equipment Under Test (EUT) to a 3V/m field over the frequency range of 27 - 960 MHz. Due to the size, bulk and complexity of the equipment being tested, *in situ* testing is necessary (see attachments).

Additionally, because of the introduction of new products (i.e. chamber or process additions) it is difficult to forecast when any further testing may be required (beyond the testing planned for June). A reasonable estimate of the frequency of testing in the next 6 months is an average of once per month, with the test length somewhere between one and four hours. Any testing performed will take place in one of our two manufacturing locations; one in Santa Clara, California, and one in Austin, Texas.

Thank you for your attention to this matter. I await your response.

Scott Edmonson EE


phone: 408.563.3992
fax: 408.563.3993

3050 Bowers Avenue
Santa Clara, California 95054
Phone: (408) 727-5555
FAX: (408) 748-9943
Telex: 34-6332

Mailing Address:
Applied Materials, Inc.
P.O. Box 58039
Santa Clara, California 95052