



Washington Office  
1300 Wilson Boulevard, Suite 200  
Arlington, VA 22209-2307

April 10, 2006

Mr. Stanley Lyles  
Federal Communications Commission  
Equipment Approval Services  
P.O. Box 358315  
Pittsburgh, PA 15251-5315

RE: Responses to Supplemental Questions  
Correspondence Reference Number: 30553  
FCC ID: **AJK8222168**

Dear Mr. Lyles:

As requested, we are providing the responses to the supplemental questions for the equipment authorization application for VHF-2100E (FCC ID: **AJK8222168**). This information is provided in the attached documents. Attachment one contains the responses to the supplemental questions and the second attachment is the FAA coordination letter. If you have any further questions, please feel free to contact me.

Respectfully submitted,

A handwritten signature in blue ink that reads "John M. Giff".

John M. Giff  
Manager, Governmental & Regulatory Affairs  
703.516.8213

Attachments (2)

# Attachment 1

**Responses to Supplemental Questions from Office of Engineering Technology pursuant to Application for FCC Certification, FCC ID: AJK8222168 (Correspondence Reference Number: 30553)**

1.) This device does not meet the definition of a Software Defined Radio pursuant to Section 2.1(c). Please confirm that this radio was not filed under the Software Defined Radio Rules. SDR only permits one class II permissive change. More than one class II permissive change requires a new application and a new FCC ID. For SDR you will address security issues.

The device is not a Software Defined Radio. As a result, the application should not be filed under the Software Defined Radio rules.

2.) The A3E, A3D and D7D modulation on form 731 does not list the bandwidth for the emission designator. What is the necessary bandwidth for the three emission designators?

The necessary bandwidth for the three emission designators are: A3E (5K0A3E), A3D (10K0A3D), and D7D (14K0D7D). Also, could you make the following changes to the Equipment Specifications section?

## Equipment Specifications

<u>Lower Freq.</u>	<u>Upper Freq.</u>	<u>Power Watts</u>	<u>Tolerance</u>	<u>Emission Desig.</u>	<u>Microprocessor Number</u>	<u>Rule Parts</u>
118	150.800	55	5 ppm	5K0A3E	TI5416	87
118	136.975	55	5 ppm	10K0A3D	TI5416	87
118	136.975	55	5 ppm	14K0D7D	TI5416	87
118	136.975	55	5 ppm	14K0D7W	TI5416	87

3.) Please explain the difference in output power for the occupied bandwidth measurements on pages 19, 20, and 22 of test report.

The output power (carrier power) varies because the different modes have independent levels of adjustments.