



Washington Office
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Sept. 5, 2007

Federal Communications Commission
Equipment Approval Services
P.O. Box 358315
Pittsburg, PA 15251-5315

Application Filed Via OET Laboratory Electronic Filing Site
<https://gulfoss.fcc.gov/prod/oet/index.html>

Re: Equipment Authorization Under Part 87- Power Level Explanation
WRAU-2120 MultiScan Weather Radar Receiver/Transmitter
FCC ID: AJK8222127

Gentlemen:

Per our earlier conversation, I am providing an explanation for the power range requirement for the WRAU-2120 (FCC ID: AJK822217). The power level changes due to component production variances in the WRAU-2120. The reason for the power range requirement of 70 W to 125W is due mainly to the intrinsic output power variation of the semiconductor device used in the power amplifier. This power variation is based on the physics of the device and for the operating temperature range of -55° C to +85 ° C, which causes the power to vary between 70W to 125 W. If you have any further questions, please feel free to contact me.

Respectfully submitted,

John M. Giff
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