

August 11, 2008

Mr. Scott Kotler
Chief, Systems Analysis Branch
Satellite Division
International Bureau
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

Re: August 7, 2008 Requests for Special Temporary Authority for KA288,
E990448 and E4630

Dear Mr. Kotler:

In an e-mail to Jim Barker of SES Americom dated August 8, 2008, you indicated that some of the parameters on the authorization are not two-degree compliant and requested supplementary information identifying the specific emissions, EIRP, and EIRP density that will be used.

We have reviewed the file numbers: SES-STA-20080807-01040 (KA288); SES-STA-20080807-01041 (E990448); and SES-STA-20080807-01042 (E4630). The power densities indicate the transmit capability of these earth stations but do not indicate the actual operational parameters. The earth stations will be operated in accordance with the Commission's Part 25 Rules and coordination agreements that SES Americom has developed with the adjacent satellite operators. In this particular case SES will be operating the AMC-21 power density levels as follows:

- TT&C. Satellite operators operate their TT&C carriers outside the satellite communications payload frequency band as specified by the FCC (i.e., at "the band edges"). Therefore, these are operated by satellite operators at higher levels than the power densities specified in Part 25. Furthermore, satellite operators insure that their TT&C frequencies are diverse or cross-pol to those of the adjacent satellite networks. The operational levels for the AMC-21 will be: UPLINK max 86 dBW bandwidth 300 to 1500KHz depending on modulation deviation and subcarriers.
- IOT operations at 136° W.L. There are no standard Ku-band satellites within 6 degrees of the 125° W.L. In addition, SES Americom has an understanding for IOT testing procedures with the other satellite operators. IOT testing will be

performed with CW carriers with the transmit Earth stations transmitting at the following EIRPmax level: 86dBW.

- Normal communications operations. Satellite payload transponders at 125° W.L. will be in accordance with the Commission's Part 25 Rules and coordination agreements that SES Americom has developed with the adjacent satellite operators.

SES Americom operates in accordance with Commission rules. We hope this resolves any questions that you might have. Please contact me should you have other questions.

Very best regards,



Nancy J. Eskenazi