

To: <tjohnson@AmericanTCB.com>
Subject: Re: TCB - Grant Note Question

We will allow a Class II Permissive Change filing for this instead of a new original application, since the basic design and power has not changed, but only the FCC policy changed which makes it possible for the device to comply without a reduction in power at the bandedges.

>>> "Timothy R. Johnson" <tjohnson@AmericanTCB.com> 10/21/02 12:12PM >>>
Rich,

Because of the nature of this request, we wanted to make sure of the acceptability of this application to the FCC. We received a permissive change application for a Base Station under Part 24E of the rules. The original power output was listed as 30 W. This has NOT changed. However the original grant (and other permissive changes thereafter) contained the following as part of the grant note:

"The maximum output power in a channel adjacent to any frequency block edge is 3W or 1.9W as documented in the original filing."

The purpose of the permissive change was to add an additional combiner module to the system. However as part of this filing, they have also shown that the reduction at the bandedge is no longer necessary. They have provided the following explanation:

With respect to the change in the band edge channel power level restrictions, the reason is because in the original application in early 1996, the FCC required the use of a peak detector to do the measurements, the standard has since been revised to an average detector. The use of an average detector results in lower band edge emissions due to the nature of the digital modulation. Due to this the power restriction at the band edge channels could be relaxed to $P_{max} - 4\text{dB}$ as opposed to $P_{max} - 12\text{dB}$. As the channel max power rating has not changed, we feel it is appropriate that this filing be a permissive change, not a new filing.

We are aware that we can not change the maximum power through a permissive change. However, you could consider that the maximum power is being changed if changes were made to the grant note. But since this applies only to the bandedge channels and doesn't affect the maximum power listed on the line entry portion of the grant, the main question is, "Is changes to the power output bandedge requirements listed in the grant notes allowed under a permissive change?".

Please let us know so we can proceed properly with this application.

Thank You in Advance,

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