

February 28, 2001

Federal Communications Commission

RE: CHP8BUSD2500C, EA100193

Dear Technical Reviewer,

Please accept this letter as a permissive change request to the grant dated 3/14/00 for the above mentioned equipment.

Thomcast Communications previously submitted data to certify the equipment two ways using different input wave forms. We would now like to submit data that will allow us to certify the equipment a third way; the attached plots indicate the only data that is different from the original submission; please refer to EA100193 for all other pertinent information.

Our current product is certified using a notch filter and channel combiner in conjunction with the transmitter to meet the spectral occupancy mask. We have found that reducing the power to 17.8 watts and eliminating the channel combiner still allows us to meet the spectral occupancy / spectral mask requirement for 16 and 64 QAM and QPSK modulation schemes. The new data pertaining to the use of a notch filter without channel combiner is submitted with this letter.

Please note that the output power in the original test report reads 25 watts average, which is for a single QAM modulation carrier, it also includes 20 watts average for three equally spaced 64 QAM carriers in a single channel. It will now include 17.8 watts average for either a 16 QAM, 64 QAM, or QPSK modulation. The label depicted in the FCC ID label/location will be changed to reflect the proper operating range accordingly.

If you require more information to complete the certification of this product, without a channel combiner, operating at a maximum output power of 17.8 watts, please let me know.

Thank you,



Paulo Correa  
Director of Engineering