14 August 1990 KGON - FM, Portland, Oregon Form 302, Section II-B, Paragraph 8

Exhibit II
Calculation of Operating Power

The facility covered under this construction permit consists of a master antenna with several FM broadcast stations combined into it. Power is to be determined by the direct method using the wattmeter which is part of the transmitter as contemplated in section 73.267(b) of the Commission's Rules and Regulations. This wattmeter is calibrated using a dummy antenna and a calorimeter accurate to 2%.

There are three components in the complete transmission system between the output of the transmitter and the input to the antenna. These consist of 20 meters of MYAT Model 301, 7.6 cm I.D. (3-1/8" O.D.), rigid coaxial transmission line connecting the transmitter to the combining equipment; the Shively Laboratory Model 2530E-30/4-3 balanced constant impedance combiner; and 188 meters of MYAT Model 901, 22.9 cm I.D. (9-3/16" O.D.), rigid coaxial transmission line. The losses from these components are tabulated below:

20 meters of 3-1/8" transmission line @ .3117 db/100 meters	.062 db
Combining equipment	.286 db
188 meters of 9-3/16" transmission line @.1007 db/100 meters	.189 db
Total loss in transmission system	.537 db

This is equivalent to a total transmission system efficiency of 88.4 %.

Certification of Transmitter Efficiency Factor KGON (FM) Portland, Oregon

Larry M. Holtz, Chief Operator, KGON