

### **Special Operating Conditions**

All three translators, K267AI, K283CD, and K291CG were operated into the three port combiner which was connected to the common antenna. A coupler was connected to a line section between the output of the combiner and the antenna. The sample from this coupler was fed to a Signal Hound SA44B spectrum analyzer.

An observation of the K283CD spectrum was noted. Emissions from 120 kHz to 240 kHz were down from the reference level at least 47 dB, exceeding 73.317 (b) by 22 dB. At plus and minus 240 to 600 KHz they were down more than 47 dB. Emissions greater than 600 kHz were down at least 70 dB, exceeding the 66.9 dB suppression required for the 250 Watt power level specified in 73.317 (d). In many cases at frequencies of plus and minus 600 KHz or more, there was another facility that showed up on the spectral trace, as it was coupling into the antenna system. There were no carriers that could be identified as spurious emissions attributable to the operation of these three translators, as emissions that could not be identified were present with the translator operation discontinued. Note the signal at 104.9 mHz is KBHT (FM).





