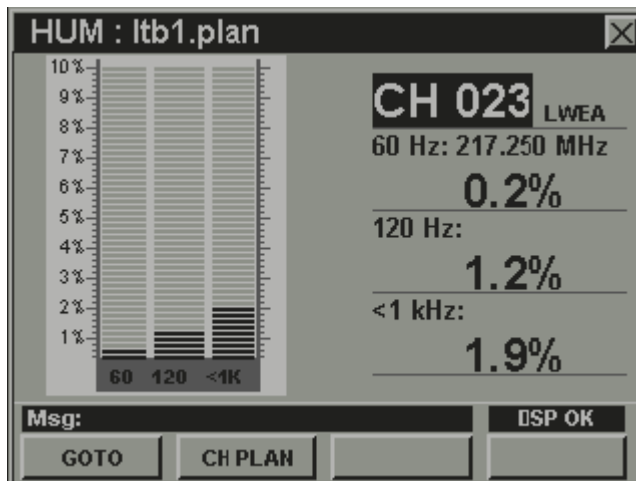




860 DSP HUM

Trilithic equipment can measure hum on any unscrambled, active (modulated) channel. This is a peak-to-peak measurement. "The FCC's definition of hum is any low frequency disturbance (<1 kHz) that usually is caused by power pack filter failure, bad solder connections, corroded connectors, impulse noise, etc.."

Also, it is a NCTA Recommended Practice to measure HUM to 1 KHz, which the FCC accepts. The three HUM components measured and shown in the DSP - i.e. 60 Hz, 120 Hz, and everything below 1 KHz are following good engineering practice. The 860 DSP Hum measurement shows three components 60 Hz, 120 Hz, and <1 KHz.



Note: On older systems the Hum was only made up of 60 Hz and its harmonics. However, this is no longer the case with switching power supplies. It is very possible to see a Hum reading where the 60 Hz and 120 Hz read low but the 1 KHz reads higher. These switching power supply problems would not look like normal Hum bars in a TV at 1 KHz, but would look and act more like C/N.

For Additional Help Contact
Trilithic Applications Engineering
1-800-344-2412 or 317-895-3600
support@trilithic.com or
www.trilithic.com

860 DSP HUM
P/N 0010275009 – Rev 5/07
1 of 1