

CUSTOM ELECTRONICS

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Kelly Klaas
KEZJ RADIO
Twin Falls, Idaho 83301

Dear Kelly

Kelly, in reference to the spectrum analysis of the KEZJ and KSNQ transmitters here is the procedure followed.

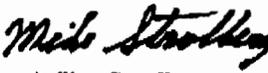
The spectrum analyzer was connected to the sample port after the combiners with both transmitters running with audio applied. A 25 db attenuator was place externally between the sample port and analyzer to reduce the main signal to below -40 dbm to the analyzer input as recomended by Hewlett Packard to eliminate harmonic and third order internal product distortion.

After the measurements of 73.317 a(12)(13) were performed the external 25 db attenuator was replaced with an FM band 50db trap that is also .5 db insertion loss at the 2nd harmonic frequencies. This allowed me to see a overall dynamic range picture of 95 db of the 2nd harmonics of KEZJ and KSNQ for compliance of 73.317 a(14). I saw no 2nd harmonic on either station.

I saw nothing out of compliance with the rules mentioned. This document is a supplement to the photos delivered to you.

The spectrum analyzer is a Hewlett Packard 8565a ser# 2023A01758 calibrated 2003.

Sincerely,


Mike Strolberg