LICENSE TO COVER
Cohan Radio Group, Inc

TECHNICAL STATEMENTS

TRANSMITTER POWER OUTPUT

TRANSMITTER POWER OUTPUT = 450 WATTS
ANDREW JUMPER = -0.1 dB
BAND PASS FILTER = -0.5 dB
ANDREW JUMPER = -0.1 dB
137 METERS 7/8" FOAM COAX = -1.61 dB
ANDREW JUMPER = -0.1 dB
TWO-BAY ANTENNA = -0.15 dB
EFFECTIVE RADIATED POWER = 250 WATTS.

SPECIAL OPERATING CONDITIONS:

- The permittee will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

- The permittee is filing a license application prior to commencement of operations of the translator.

- The translator is repeating the AM station as authorized.

- The Spurious Emissions Test Results are attached as a copy of the email from the installation Engineer.

The results of the spurious emissions test for W237FC, W282CP and W292FP are as follows:

The following equipment was used in thew measurement program:

Anritsu 2713E Spectrum Analyzer

IFR Com 120B Spectrum analyzer

Variable attenuators

Variable Bandpass Cavity filter

Various interconnecting cables

Deva DB 4004 Modulation monitor

The station operates with a 3 station combiner filter into a common antenna. The measurements were made at a sample port at the output of the combiner. Measurements were made above and below the FM Band and for the second thru 10^{th} harmonics. All signals of -82 db or less below the fundamentals were ignored. Only two signal were stronger the -82 dB threshold. They were:

102.3 Mhz at -75 dB below the fundamental

108.3 MHZ AT -73 dB below the fundamental

These values comply with the FCC rules.

James M Johnson

Installation Engineer