

MULLANEY ENGINEERING, INC.

9049 SHADY GROVE COURT
GAITHERSBURG, MD 20877

ENGINEERING EXHIBIT EE-LIC:

**RADIO STATION KCHZ(FM)
SYNCOM RADIO CORPORATION
OTTAWA, KANSAS**

Ch. 239C1 98 KW 299 M HAAT

JUNE 13, 2001

**ENGINEERING STATEMENT IN SUPPORT OF
A LICENSE APPLICATION FOR A
MODIFIED FM STATION
USING A NON-DIRECTIONAL ANTENNA SYSTEM**

File No. BPH-20010130ABI - Facility ID: 33332

QUESTION 7 - EXHIBIT 8 OF FCC FORM 302-FM

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Declaration

I, John J. Mullaney, declare and state that I am a graduate electrical engineer with a B.E.E. and my qualifications are known to the Federal Communications Commission, and that I am an principal engineer in the firm of Mullaney Engineering, Inc., and that I have provided engineering services in the area of telecommunications since 1977. My qualifications as an expert in radio engineering are a matter of record with the Federal Communications Commission.

The firm of Mullaney Engineering, Inc., has been requested by Syncom Radio Corporation, to prepare the instant engineering exhibit in support of a license application for FM Station KCHZ(FM) (FCC Facility ID Number: 33332).

All facts contained herein are true of my own knowledge except where stated to be on information or belief, and as to those facts, I believe them to be true. I declare under penalty of perjury that the foregoing is true and correct.

/s/ John J. Mullaney

John J. Mullaney, Consulting Engineer

Executed on the 13th day of June 2001.

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NARRATIVE STATEMENT:

This engineering statement has been prepared on behalf of Syncom Radio Corporation, permittee of Radio Station KCHZ(FM) at Ottawa, Kansas (Facility ID 33332). The purpose of this statement is to inform the Commission that construction has been completed and that the new facility complies completely with its outstanding construction permit (BPH-20010130ABI). The CP authorized non-directional operation at 98 kW.

In accordance with the special Operating Conditions on the construction permit, KCHZ(FM) coordinated the times and locations of construction such that no worker was exposed to excessive R.F. levels. The proposed facility is in full compliance with both the “controlled” & “un-controlled” FCC Radiation Guidelines. Since the facility contributes less than 1% of the “controlled” standard at ground level it is categorically excluded from further consideration.

Table A is a summary of the technical facilities installed.

SUMMARY

Syncom Radio Corporation, permittee of Radio Station KCHZ(FM) herein files its license application indicating that construction has been completed and that the facility complies with its outstanding construction permit.

/s/ John J. Mullaney

John J. Mullaney, Consulting Engineer

June 13, 2001.

Table A

Summary of Technical Facilities Installed

Call:	KCHZ(FM)
City/State:	Ottawa, Kansas
Facility ID:	33332
Channel:	239C1 95.7 MHz
C.P. Number:	BPH-20010130ABI
Coordinates:	39-00-45 / 95-01-46 NAD-27
Tower ASR:	1044528
Tip Height:	319.7 M AGL
Antenna C.R.:	308 M AGL 566 M AMSL 299 M HAAT
ERP:	98 kW H 98 kW V
Antenna Make:	ERI SHP-8AC 1.0 lambda spacing
OMNI:	Yes
Coax Efficiency:	72.2 % Andrew HJ8-50J 3" 313.9 meters
TPO:	30.21 kW (3.8 A * 9.98 kV * 79.76 %)