

MULLANEY ENGINEERING, INC.

9049 SHADY GROVE COURT
GAITHERSBURG, MD 20877

ENGINEERING EXHIBIT EE-LIC:

**RADIO STATION WQCY
STARadio CORPORATION
QUINCY, ILLINOIS**

Ch. 280A 1.8 KW 133 M HAAT

NOVEMBER 15, 2002

**ENGINEERING STATEMENT IN SUPPORT OF
A LICENSE APPLICATION FOR A
MODIFIED FM STATION
NEW SITE**

File No. BPH-20010614AEL - Facility ID: 37579

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 STARadio Corporation, to prepare the instant engineering exhibit in support of a license application for FM Station WQCY (FCC Facility ID Number: 37579).

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. Information concerning the technical equipment installed and compliance with special conditions was obtained directly from the licensee. No on-site inspection of the facility by Mullaney Engineering was made. 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 15th day of November 2002.

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NARRATIVE STATEMENT:

This engineering statement has been prepared on behalf of STARadio Corporation, permittee of Radio Station WQCY at Quincy, Illinois (Facility ID 37579). 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-20010614AEL). The station is located on a new tower which supports the operations of both WQCY & WCOY.

In accordance with the Special Operating Conditions on the construction permit, STARadio coordinated the times and locations of construction such that no worker was exposed to excessive R.F. levels. The facility is in full compliance with both the “controlled” & “un-controlled” FCC Radiation Guidelines. Since the facility contributes less than 5% of the “controlled” standard at ground level it is categorically excluded from further consideration. WCOY has installed the ERI 8 bay, rototiller type of antenna with 1.0 wavelength bay spacing as specified on its CP for RF Exposure purposes.

Table A is a summary of the technical facilities installed.

“As Built” - Differences

The newly constructed facility does not significantly differs from those originally authorized.

Environmental Assessment Statement

The tower is surrounded by a locked fence to limit access. Workers employed to climb the tower or work in a potential overexposure location will not be permitted to enter the work area until cleared by the station manager or other responsible person. Appropriate warning signs are posted to ensure safety. It is recognized that maintenance or installation work on or near the antenna may require the station to completely shutdown or switch temporarily to an auxiliary antenna or an auxiliary transmitter site. All procedures will be reviewed & updated as necessary.

SUMMARY

STARadio Corporation, permittee of Radio Station WQCY 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

November 15, 2002.

Table A
Summary of Technical Facilities Installed

Call:	WQCY		
City/State:	Quincy, Illinois		
Facility ID:	37579		
Channel:	280A	103.9 MHz	
C.P. Number:	BPH-20010614AEL		
Coordinates:	39-56-30 / 91-35-03 NAD-27		
Tower ASR:	1229370		
Tip Height:	152.1 M AGL		
Antenna C.R.:	121.9 M AGL	299.0 M AMSL	133 M HAAT
ERP:	1.8 kW H	1.8 kW V	
Antenna Make:	ERI	SHPX-3AE	1.0 lambda spacing
OMNI:	Yes		
Ant. Gain:	1.5588		
Coax Efficiency:	81.4 %	Andrew HJ7-50A	1-5/8" 129.2 meters
TPO:	1.42 kW		