



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

CHESTER COUNTY RADIO, INC.
 105 WEST GAY STREET
 WEST CHESTER PA 19302

Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Facility Id: 71279

Call Sign: WCHE

License File Number: BL-20061020ADR

Grant Date: January 25, 2007

This license expires 3:00 a.m.
 local time, August 01, 2014.

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve the public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

Hours of Operation: Daytime

Average hours of sunrise and sunset:
 Local Standard Time (Non-Advanced)

Jan.	7:30 AM	5:00 PM	Jul.	4:45 AM	7:30 PM
Feb.	7:00 AM	5:45 PM	Aug.	5:15 AM	7:00 PM
Mar.	6:15 AM	6:15 PM	Sep.	5:45 AM	6:15 PM
Apr.	5:30 AM	6:45 PM	Oct.	6:15 AM	5:30 PM
May	4:45 AM	7:15 PM	Nov.	6:45 AM	4:45 PM
Jun.	4:30 AM	7:30 PM	Dec.	7:15 AM	4:45 PM

Callsign: WCHE

License No.: BL-20061020ADR

Name of Licensee: CHESTER COUNTY RADIO, INC.

Station Location: WEST CHESTER, PA

Frequency (kHz): 1520

Station Class: D

Antenna Coordinates:

Day

Latitude: N 39 Deg 57 Min 58 Sec

Longitude: W 75 Deg 37 Min 55 Sec

Critical

Latitude: N 39 Deg 57 Min 58 Sec

Longitude: W 75 Deg 37 Min 55 Sec

Transmitter(s): Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Nominal Power (kW): Day: 1.0 Critical: 0.5

Antenna Input Power (kW): Day: 1.08 Critical: 0.54

Antenna Mode: Day: DA Critical: DA

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Current (amperes): Day: 4.65 Critical: 3.29

Resistance (ohms): Day: 50 Critical: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	
1	None	50
2	None	50

Critical:

Tower No.	ASRN	
1	None	50
2	None	50

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 320.14 Critical: 226.39
 Standard RMS (mV/m/km): Day: 336.54 Critical: 237.98
 Augmented RMS (mV/m/km):
 Q Factor: Day: 15.39 Critical:

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	90.0
2	0.7500	188.000	57.0000	53.000	0	90.0

* Tower Reference Switch

- 0 = Spacing and orientation from reference tower
- 1 = Spacing and orientation from previous tower

Theoretical Parameters:

Critical Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	90.0
2	0.7500	188.000	57.0000	53.000	0	90.0

* Tower Reference Switch

- 0 = Spacing and orientation from reference tower
- 1 = Spacing and orientation from previous tower

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	-169	0.68

Critical Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	-169	0.68

Antenna Monitor: POTOMAC INSTRUMENTS AM-19(204)

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Day Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
151	3.13	15.82
315	3.65	6.65

Special operating conditions or restrictions:

1 DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Two vertical, guyed, series excited steel radiators of uniform cross section.

Ground System consists of 120 equally spaced, buried copper wire radials 48.8 m in length, plus 120 interspersed radials 15.2 m in length about the base of each tower.

2 DESCRIPTION OF AND FIELD INTENSITY MEASURED AT MONITORING POINTS:

Direction of 151 True North: The point is located next to the mailbox of 304 Shropshire Street. This location is point number 12 of the proof. The distance from the transmitter is 3.13 kilometers. The field intensity measured at this point should not exceed 15.82 mV/m.

Direction of 315 : The point is located next to the mailbox of 914 Briar Wood Circle. This location is point number 13 of the proof. The distance from the transmitter is 3.65 kilometers. The field intensity measured at this point should not exceed 6.65 mV/m.

*** END OF AUTHORIZATION ***