

ENGINEERING STATEMENT
IN SUPPORT OF
APPLICATION FOR AUXILIARY ANTENNA

WSOX RED LION, PENNSYLVANIA
CHANNEL 241B FACILITY NUMBER 55351

November 2004

This engineering statement and accompanying exhibits have been prepared on behalf of Susquehanna License Co., LLC licensee of the above referenced FM radio station.

By means of this application, the licensee seeks authority to install an auxiliary antenna on the same tower as authorized for its main facility.¹

Figure 1 attached, is a vertical sketch showing the proposed installation.

Figure 2 is a map showing the service contours (54dbu) of both the main and proposed auxiliary facility. These contours were generated in accordance with section 73.313 utilizing software provided by RadioSoft Inc. Terrain was determined utilizing 15 second datum every 5 degrees over an arc of 360 degrees.

It is believed by the undersigned that this application is in compliance with all requirements as set forth in 47 CFR Parts 1 and 73 regarding applications of this nature.



November 30, 2004

Fred W. Greaves Jr.
Engineering Consultant to;
Susquehanna Radio Corp.

¹ See outstanding construction permit BPH-20020408AAG

November 2004

Figure 1

WSOX CH-241B RED LION, PA. FCC I.D. 55351

NOT TO SCALE

Main Antenna
E.R.I. LP-4E-DA-HW
BPH-20020408AAG

Auxiliary Antenna
E.R.I. LPX-3E-HW
(Proposed)

AMSL 279.8 METERS

158.8 M

203.0 M

207.6 M

PROPOSED ANTENNA
AND
SUPPORTING STRUCTURE
ASRN 1215883

SUSQUEHANA RADIO CORP.

YORK, PA.

