

RADIO TRAINING NETWORK, INC.
CH 205C2 – 88.9 MHZ - 45.0 KW .(DA)
CLAXTON GEORGIA
OCTOBER 2007

Exhibit C
Radio Frequency Assessment

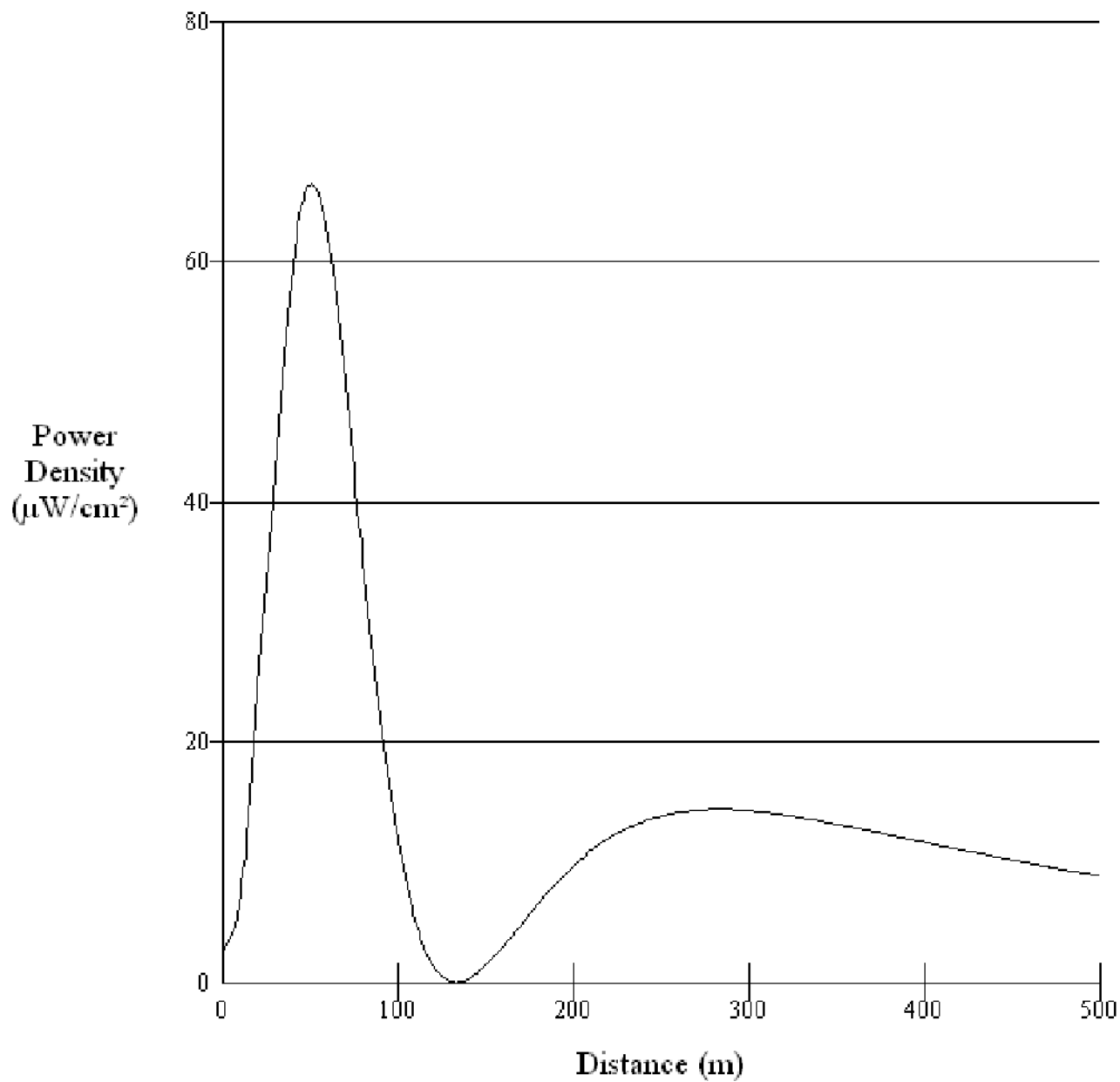
A study has been made to determine whether this proposal is in compliance with 47 C.F.R. §1.1307 of the Commission's rules and with OET Bulletin #65, dated August 1997 ("Bulletin"), regarding human exposure to radio frequency radiation in the vicinity of broadcast towers. This study considers all nearby contributing stations and utilizes the appropriate formulas contained in the OET Bulletin.

The proposed antenna system will be Shively 6810 2 bay Circular polarized antenna mounted with its center of radiation 79 meters above the ground at the tower location and will operate with an effective radiated power of 45 kilowatts in the vertical plane and 45 kilowatts in the horizontal plane. At 2.0 meters above the ground at the base of the tower, the height of an average person, the proposed antenna system will contribute 0.067 mw/cm^2 . Based on exposure limitations for a controlled environment. A maximum of 6.7% of the allowable ANSI limit is reached at 2.0 meters above the ground at 52 meters from the base of the tower. For uncontrolled environments, 33.5% of the ANSI limit is reached at 2.0 meters above the ground at 52 meters from the base of the tower.

Since this level for uncontrolled environments is below the 100% limit defined by the Commission, the proposed facility is believed to be in compliance with the radio frequency radiation exposure limits as required by the Federal Communications Commission. Further, RTN will post warning signs in the vicinity of the tower warning of potential radio frequency radiation hazards at the site. In addition, RTN will reduce the power of the facility or cease operation, in cooperation and coordination with other tower users, as necessary, to protect persons having access to the site, tower or antenna from radio frequency radiation in excess of FCC guidelines.

- 1) The contribution of the FM station was calculated with the FM Model program. The Shively 6810 2 bay antenna was used for calculations unless otherwise noted

Power Density vs Distance



Office of Engineering and Technology

Distance (m):	<input type="text" value="500"/>	Antenna Type:	<input type="text" value="Shively 6810"/>
Horizontal ERP (W):	<input type="text" value="45000"/>	Number of Elements:	<input type="text" value="2"/>
Vertical ERP (W):	<input type="text" value="45000"/>	Element Spacing:	<input type="text" value="1"/>
Antenna Height (m):	<input type="text" value="79"/>		