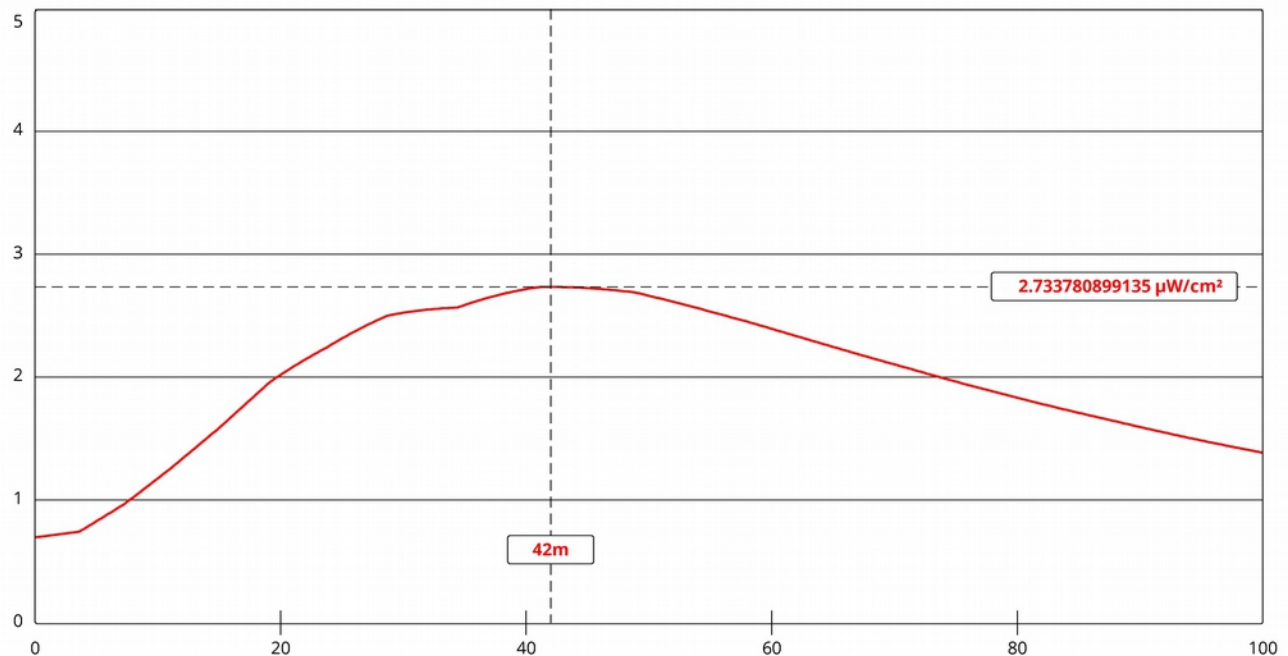


RF SAFETY COMPLIANCE

THE ANTENNA WILL BE A NICOM BKG-77 WITH THE CENTER OF RADIATION @ 43 METERS ABOVE GROUND LEVEL. RADIATING AN ERP OF 250 WATTS THE MAXIMUM POWER DENSITY WAS CALCULATED TO BE $2.73 \mu\text{W}/\text{cm}^2$ AT 42 METERS FROM THE CENTER OF RADIATION. THIS MEETS THE OET 65 STANDARD FOR BOTH CONTROLLED AND UNCONTROLLED GENERAL POPULATION EXPOSURE. IN ALL CASES, THE APPLICANT AGREES TO REDUCE POWER OR SHUTDOWN COMPLETELY AS NEEDED FOR ALL MAINTENANCE WORKERS.

FM Model

The FM Model calculator determines the potential exposure from radiofrequency (RF) electromagnetic fields produced by FM broadcast station antennas at ground level. The FM Model software was originally developed by the FCC in 1997 as a standalone executable program and this improved version provides more precise predictions and runs via a JavaScript enabled web browser. The FM Model is originally based on measured data [published in 1985 by the EPA](http://nepis.epa.gov/Exe/ZyNET.exe/2000ED2W.TXT?ZyActionD=ZyDocument&Client=EPA&Index=1981+Thru+1985&Docs=&Query=&Time=&EndTime=&SearchMethod=1&TocRestrict=n&Toc=&TocEntry=&QField=&QFieldYear=&QFieldMonth=&QFieldDay=&IntQFieldOp=0&ExtQFieldOp=0&XmlQuery=&File=D%3A%5Czyfiles%5Cindex%20Data%5C81thru85%5CTxt%5C00000003%5C2000ED2W.txt&User=ANONYMOUS&Password=anonymous&SortMethod=h%7C-&MaximumDocuments=1&FuzzyDegree=0&ImageQuality=r75g8/r75g8/x150y150g16/i425&Display=p%7Cf&DefSeekPage=x&SearchBack=ZyActionL&Back=ZyActionS&BackDesc=Results%20page&MaximumPages=1&ZyEntry=1&SeekPage=x&ZyPURL) (<http://nepis.epa.gov/Exe/ZyNET.exe/2000ED2W.TXT?ZyActionD=ZyDocument&Client=EPA&Index=1981+Thru+1985&Docs=&Query=&Time=&EndTime=&SearchMethod=1&TocRestrict=n&Toc=&TocEntry=&QField=&QFieldYear=&QFieldMonth=&QFieldDay=&IntQFieldOp=0&ExtQFieldOp=0&XmlQuery=&File=D%3A%5Czyfiles%5Cindex%20Data%5C81thru85%5CTxt%5C00000003%5C2000ED2W.txt&User=ANONYMOUS&Password=anonymous&SortMethod=h%7C-&MaximumDocuments=1&FuzzyDegree=0&ImageQuality=r75g8/r75g8/x150y150g16/i425&Display=p%7Cf&DefSeekPage=x&SearchBack=ZyActionL&Back=ZyActionS&BackDesc=Results%20page&MaximumPages=1&ZyEntry=1&SeekPage=x&ZyPURL>). [▼ Show More....](#)



[View Tabular Results +](#)

Channel Selection	Channel 264 (100.7 MHz)		
Antenna Type +	EPA Type 2: Opposed V Dipole		
Height (m)	<input type="text" value="43"/>	Distance (m)	<input type="text" value="100"/>
ERP-H (W)	<input type="text" value="250"/>	ERP-V (W)	<input type="text" value="250"/>
Num of Elements	<input type="text" value="1"/>	Element Spacing (λ)	<input type="text" value="0"/>
Num of Points	<input type="text" value="500"/>	<input type="button" value="Apply"/>	