Exhibit B
Walgreens

RADIATION CALCULATIONS FOR 1.20 meter EARTH STATION			
Nomenclature	Formula	Value	Unit
INPUT PARAMETERS			
M = Antenna Aperture Major Axis		1.20	meters
m = Antenna Aperture Minor Axis		1.20	meters
d = Diameter of Feed Mouth		0.133	meters
f = frequency		14.25	GHz
P = Max Power into Antenna		2.0	Watts
n = Aperture Effeciency		63%	
k = Wavelength @ 14.25 GHz		0.0210	meters
CALCULATED VALUES			
A = Area of Reflector	PIxMxm/4	1.131	meters^2
l = Length of Near Field	M^2/4k	17	meters
L = Beginning of Far Field	0.6M^2/k	41	meters
G = Antenna Gain @ 14.25 GHz	n(4xPIxA)/k^2	20,230	(43.1) dBi
a = Area of Feed Mouth	PI*d^2/4	0.0140	meters^2

POWER DENSITY CALCULATIONS			
Region	Maximum Power Density in Region		Hazard Assessment
	Formula	Value (mW/cm^2	(FCC MPE Limit = 1 mW/cm^2)
1 Near Field	4nP/A	0.45	< FCC MPE Limit
2 Far Field	GP/(4(PI)L^2)	0.19	< FCC MPE Limit
3 Transition	<= Nr Fld Region	0.45	< FCC MPE Limit
4 Near Reflector Surface	4P/A	0.71	< FCC MPE Limit
5 Between Reflector & Ground	P/A	0.18	< FCC MPE Limit
6 Between Reflector and Feed	4P/a	57.3	> FCC MPE Limit (See Exhibit A)