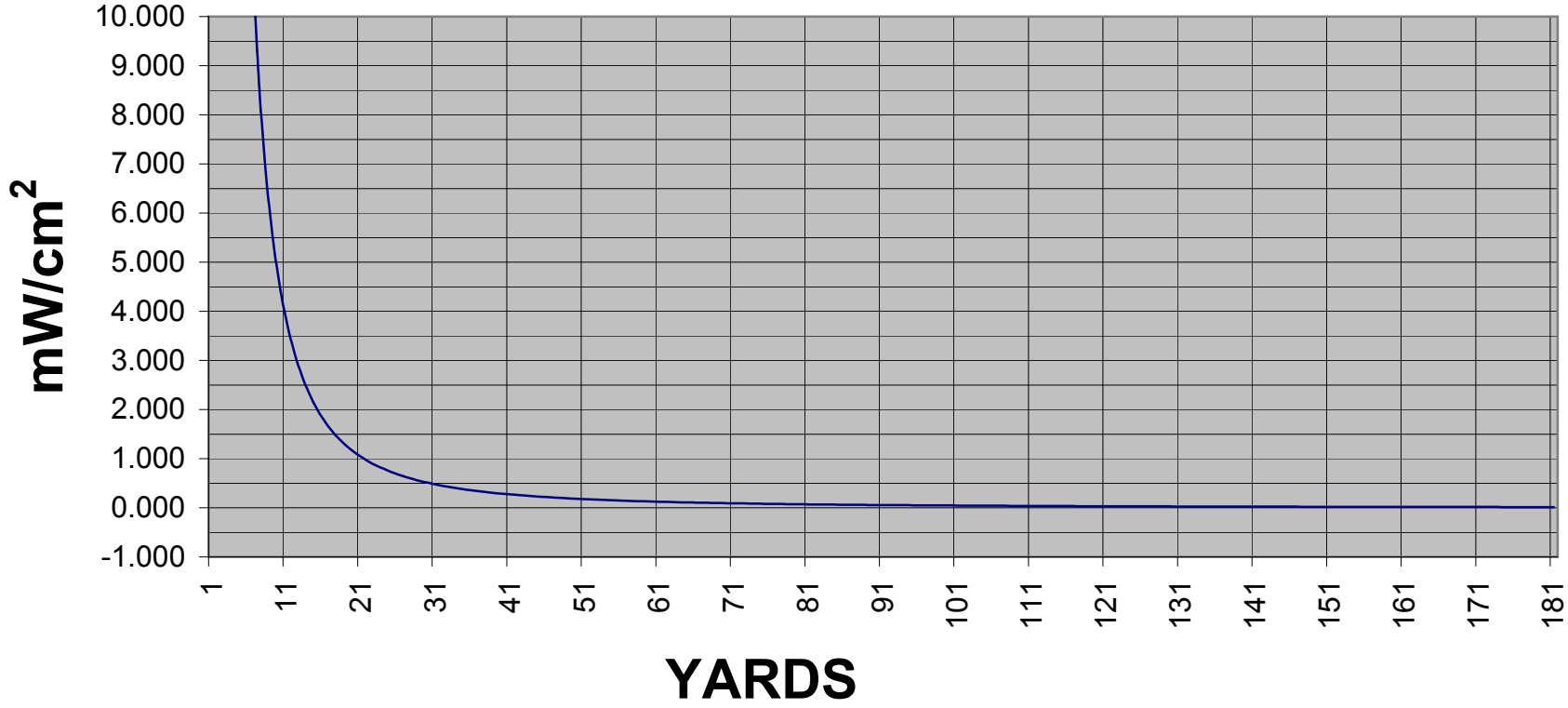
Tx Average Power (dBm)	34	dBm	**Antenna Gain**	44.7	dBi	**RADAR #**	XDD-1000C	
Transmission Loss (dB)	1.9	dB	**Start Range**	1	yards	**EIRP**	0.05	Gigawatts
Power @ Antenna	32.1	dBm	**Plot Every**	1	Yards	**Rad Hazard Minimum Distance**		

OET 65, Supplement B (Edition 97-01) **Controlled Access** - 6 minute average exposure **5mW/cm^2** 28.6 **feet**

Pulsed Radar Calculations **Uncontrolled Access** - 30 minute average exposure **1mW/cm^2** 64.1 **feet**

Rotating Mainlobe RF Power Density

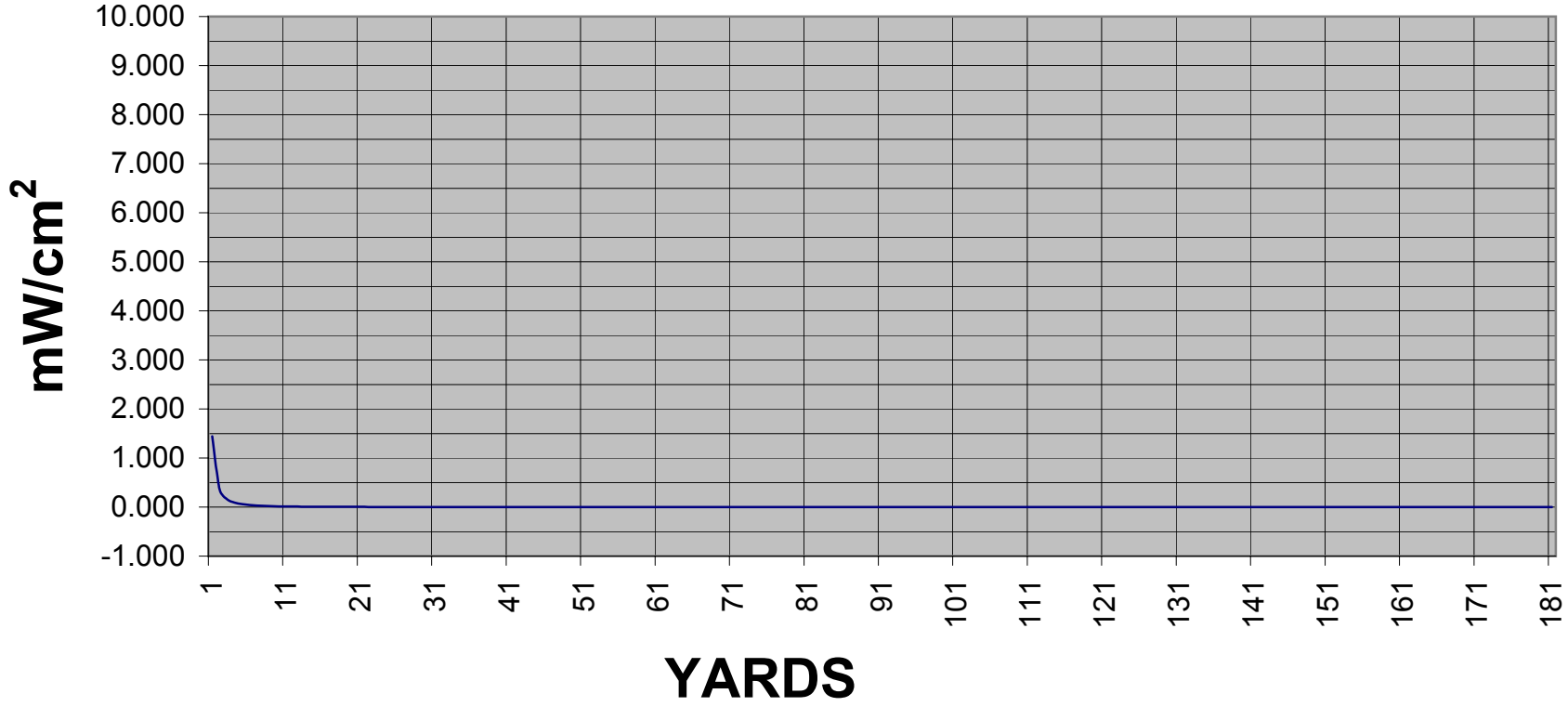
$$\frac{P_t G_t}{4\pi R^2}$$



Tx Average Power (dBm)	34	dBm	**Antenna Gain**	19.7	dBi	**RADAR #**	XDD-1000C	
Transmission Loss (dB)	1.9	dB	**Start Range**	1	yards	**EIRP**	0.00	Gigawatts
Power @ Antenna	32.1	dBm	**Plot Every**	1	Yards	**Rad Hazard Minimum Distance**		
OET 65, Supplement B (Edition 97-01)			**Controlled Access** - 6 minute average exposure			**5mW/cm^2**	1.6	feet
Pulsed Radar Calculations			**Uncontrolled Access** - 30 minute average exposure			**1mW/cm^2**	3.6	feet

Rotating Sidelobe RF Power Density

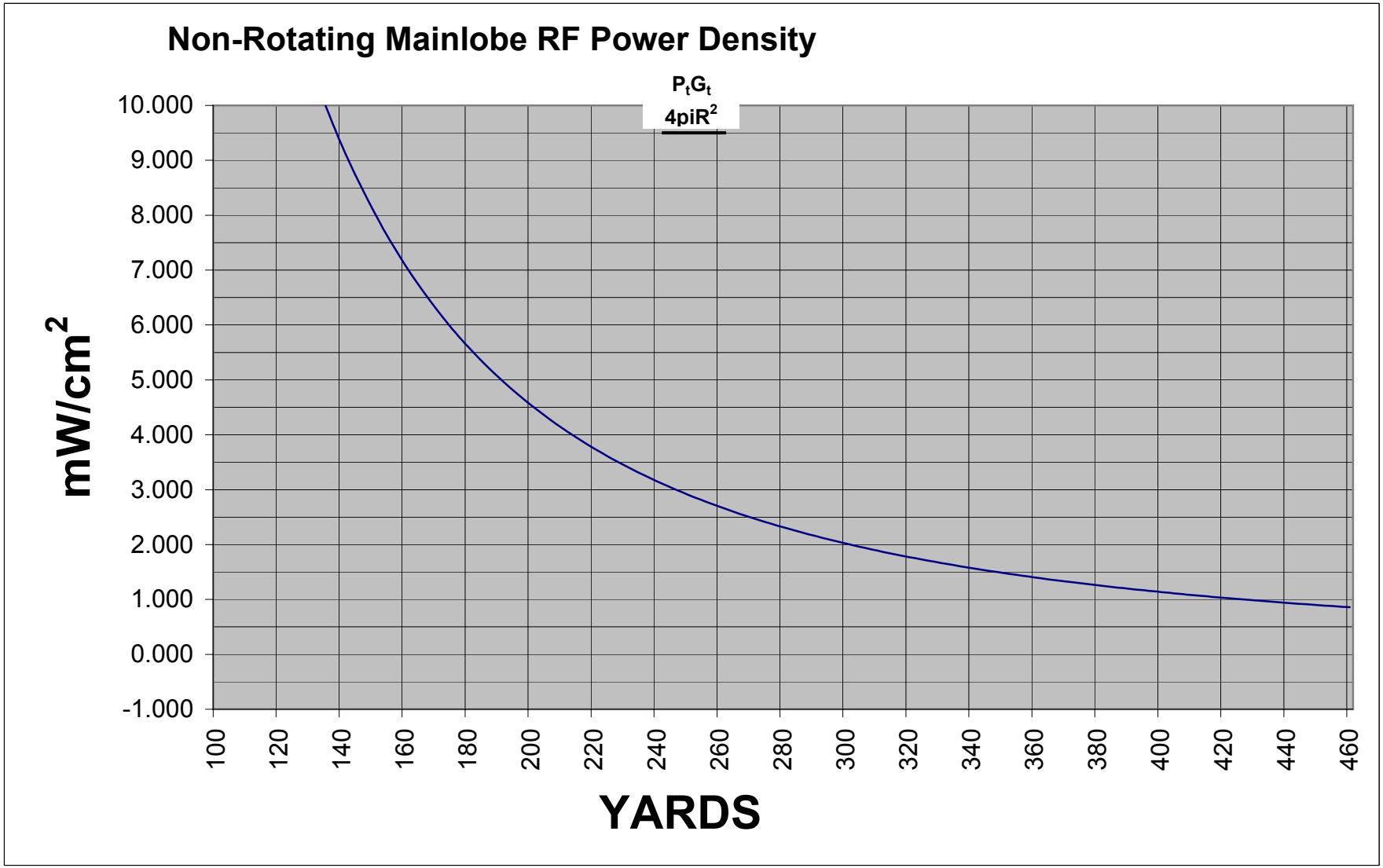
$$\frac{P_t G_t}{4\pi R^2}$$



Tx Average Power (dBm)	**60**	**dBm**	**Antenna Gain**	**44.7**	**dBi**	**RADAR #**	**XDD-1000C**
Transmission Loss (dB)	**1.9**	**dB**	**Start Range**	**100**	**yards**	**EIRP**	**19.05** **Gigawatts**
Power @ Antenna	**58.1**	**dBm**	**Plot Every**	**2**	**Yards**	**Rad Hazard Minimum Distance**	

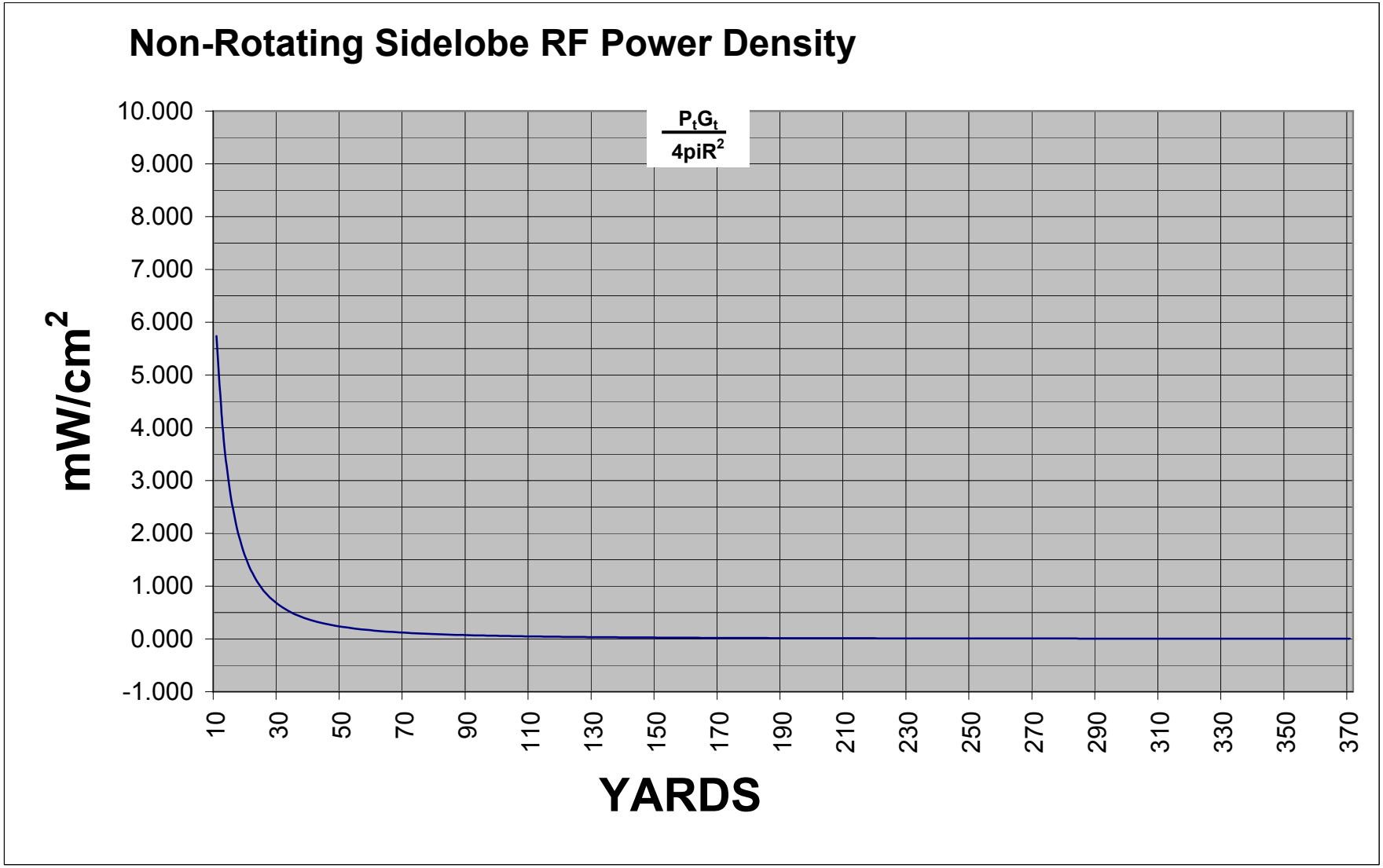
OET 65, Supplement B (Edition 97-01) **Controlled Access** - 6 minute average exposure **5mW/cm^2** **571.6** **feet**

Pulsed Radar Calculations **Uncontrolled Access** - 30 minute average exposure **1mW/cm^2** **1278.1** **feet**



Tx Average Power (dBm)	**60**	**dBm**	**Antenna Gain**	**19.7**	**dBi**	**RADAR #**	**XDD-1000C**
Transmission Loss (dB)	**1.9**	**dB**	**Start Range**	**10**	**yards**	**EIRP**	**0.06** **Gigawatts**
Power @ Antenna	**58.1**	**dBm**	**Plot Every**	**2**	**Yards**	**Rad Hazard Minimum Distance**	

OET 65, Supplement B (Edition 97-01)
Pulsed Radar Calculations

Controlled Access - 6 minute average exposure
Uncontrolled Access - 30 minute average exposure

5mW/cm^2	**32.1**	**feet**
1mW/cm^2	**71.9**	**feet**