

Tx Average Power (dBm) **34** dBm
 Transmission Loss (dB) **1.9** dB
 Power @ Antenna **32.1** dBm

Antenna Gain **44.7** dBi
 Start Range **1** yards
 Plot Every **1** Yards

RADAR # **XDD-1000C**
 EIRP **0.05** Gigawatts
 Rad Hazard Minimum Distance
 5mW/cm² **28.6** feet
 1mW/cm² **64.1** feet

OET 65, Supplement B (Edition 97-01)

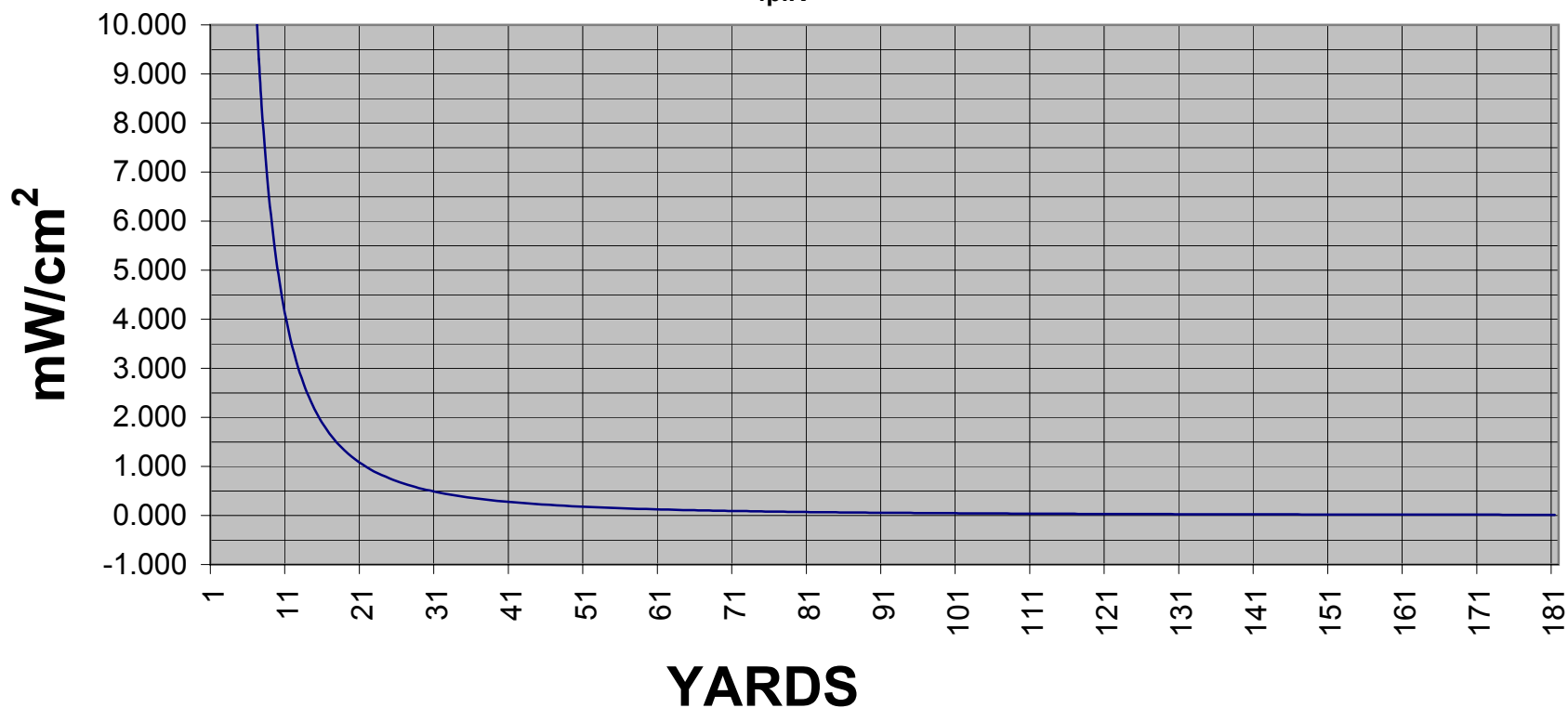
Controlled Access - 6 minute average exposure

Pulsed Radar Calculations

Uncontrolled Access - 30 minute average exposure

Rotating Mainlobe RF Power Density

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



Tx Average Power (dBm) **34** dBm
 Transmission Loss (dB) **1.9** dB
 Power @ Antenna **32.1** dBm

Antenna Gain **19.7** dBi
 Start Range **1** yards
 Plot Every **1** Yards

RADAR # **XDD-1000C**
 EIRP **0.00** Gigawatts
 Rad Hazard Minimum Distance
 5mW/cm² **1.6** feet
 1mW/cm² **3.6** feet

OET 65, Supplement B (Edition 97-01)

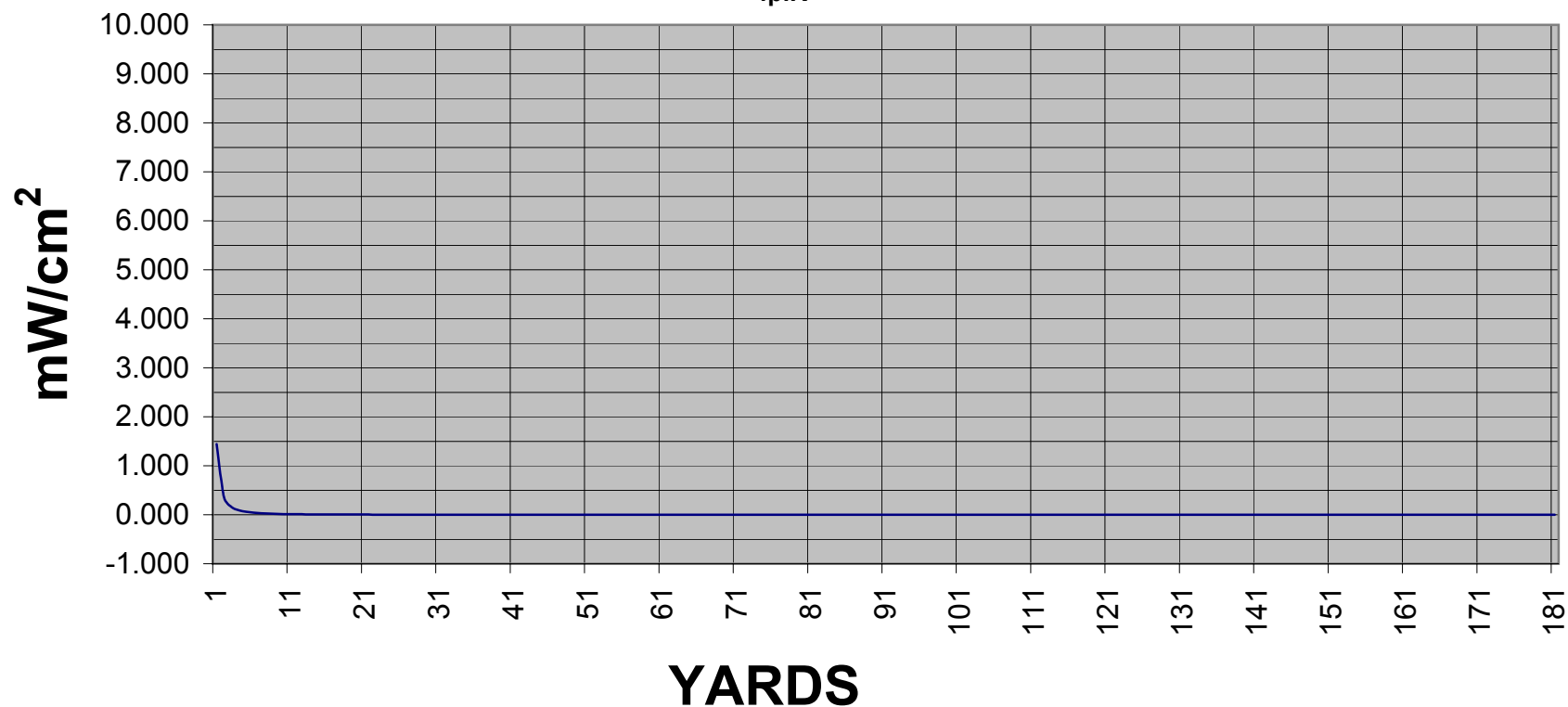
Controlled Access - 6 minute average exposure

Pulsed Radar Calculations

Uncontrolled Access - 30 minute average exposure

Rotating Sidelobe RF Power Density

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



Tx Average Power (dBm) **60** dBm
 Transmission Loss (dB) **1.9** dB
 Power @ Antenna **58.1** dBm

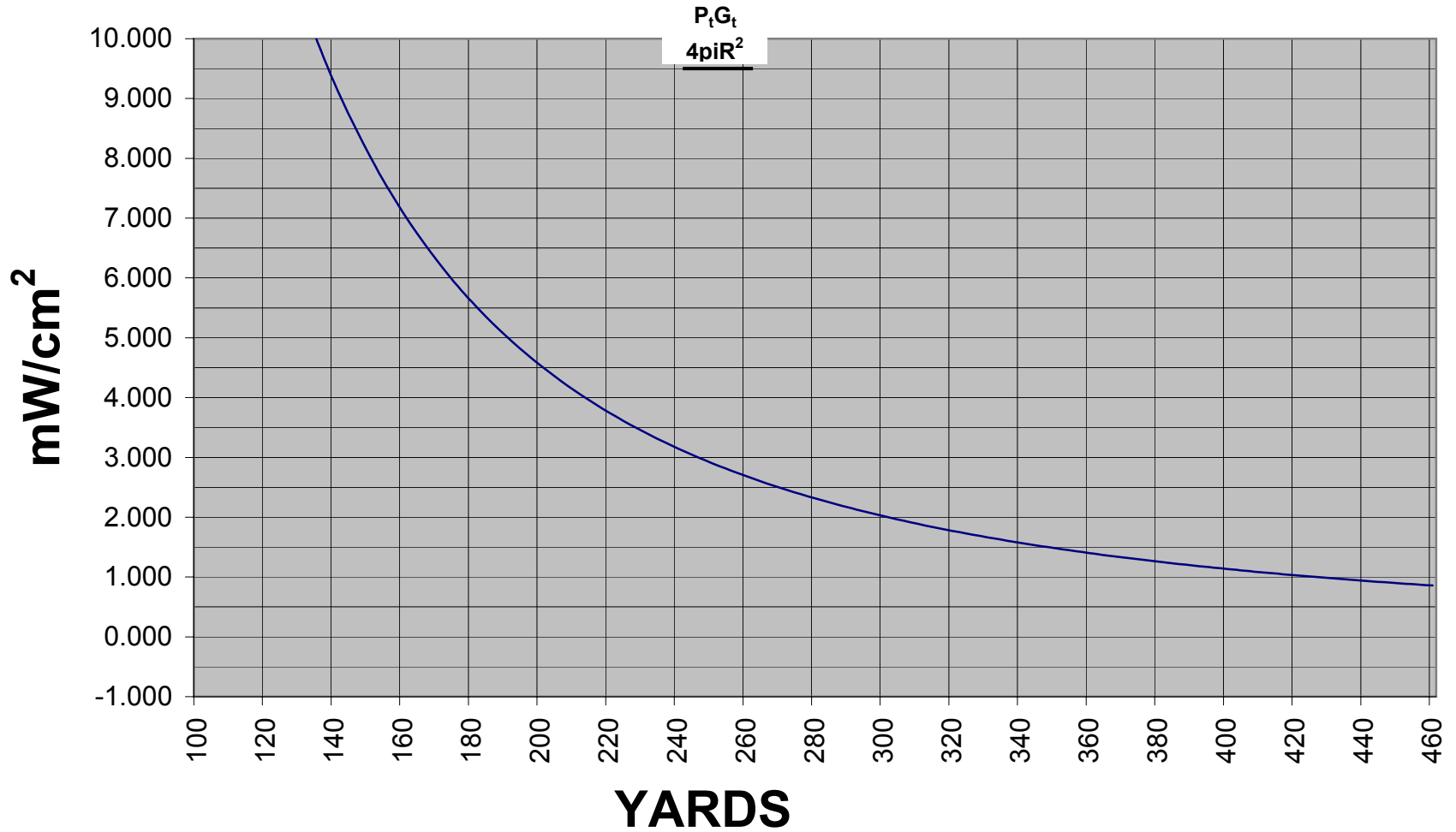
Antenna Gain **44.7** dBi
 Start Range **100** yards
 Plot Every **2** Yards

RADAR # **XDD-1000C**
 EIRP **19.05** Gigawatts
 Rad Hazard Minimum Distance
 5mW/cm² **571.6** feet
 1mW/cm² **1278.1** feet

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

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

Non-Rotating Mainlobe RF Power Density



Tx Average Power (dBm) **60** dBm
Transmission Loss (dB) **1.9** dB
Power @ Antenna **58.1** dBm

Antenna Gain **19.7** dBi
Start Range **10** yards
Plot Every **2** Yards

RADAR # **XDD-1000C**
EIRP **0.06** Gigawatts

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Controlled Access - 6 minute average exposure

Rad Hazard Minimum Distance

5mW/cm² **32.1** feet

Pulsed Radar Calculations

Uncontrolled Access - 30 minute average exposure

1mW/cm² **71.9** feet

Non-Rotating Sidelobe RF Power Density

