

Enter Antenna and Operating Data

Antenna Type	Half-wave Dipole	Antenna Gain, dBi	2.15
Transmission Line Type	RG-8X	Transmission Line Length, Feet	32.8
Transmitter Power (Max. PEP), Watts	25	Include Ground Effects?	No
Frequency, MHZ	156	Power at Antenna, PEP Minus Line Loss, Watts	18

Estimated distances from transmitting antenna (in feet) necessary to meet FCC power density limits for Maximum Permissible Exposure (MPE):

Controlled Uncontrolled

SSB w/o processor (20% duty cycle):

0.7

1.6

CW and SSB w/processor (40% duty cycle):

1

2.2

FM/FSK/RTTY/AFSK/SSTV (100% duty cycle):

1.6

3.5

WORST CASE (100% duty cycle;w/o transmission line attenuation; w/ground reflection effects):

3

6.7

Antenna and Operating Data can be changed by clicking on the data boxes. Press 'ENTER' after data entry for new results to be displayed.