

**PLEASE COPY BEFORE USING. THE DETERMINATION OF COMPLIANCE MAY INVOLVE REPEATED CALCULATIONS. IF LOCATED ON A MULTIPLE FM USER TOWER, PLEASE COMPLETE RF WORKSHEET 1A BEFORE PROCEEDING.**

**EFFECTIVE RADIATION CENTER HEIGHT**

Enter proposed "height of radiation center above ground" OR as listed in line 1 10 m (1)  
of Worksheet 1A.

Is antenna supporting structure located on the roof of a building? (check one) ☒ Yes ☐ No (2)

If line 2 is "yes" enter the building height measured at the base of the antenna supporting structure in line 3

If line 2 is "no" enter "0" in line 3..... 5 m (3)

Subtract line (3) from line (1)..... 5 m (4)

Subtract the value 2.0 from line (4)..... 3 m (5)

**TOTAL EFFECTIVE RADIATED POWER**

(If "beam tilt" is utilized, list maximum values)

List Effective Radiated Power in the Horizontal Plane..... 0 kW (6)

List Effective Radiated Power in the Vertical Plane..... 0.05 kW (7)

Add Lines (6) and (7) OR list value from Line 2 in Worksheet 1A..... 0.05 kW (8)

**PERCENTAGE OF FCC RF LIMIT(S) FOR MAXIMUM PERMISSIBLE EXPOSURE**

Multiply Line (8) by 33.41 ..... 1.7 (9)

Multiply the value listed in line (5) by itself..... 9 (10)

Divide Line (9) by Line (10) ..... .19 (11)

Multiply Line (11) by (100) ..... 19 (12)

**DETERMINATION OF COMPLIANCE WITH CONTROLLED/OCCUPATIONAL LIMIT**

Does Line (12) exceed 100%..... ☐ Yes ☒ No (13)

**IF YOU ANSWERED "YES" IN LINE (13), THE WORKSHEETS MAY NOT BE USED IN THIS CASE.\***

**IF YOU ANSWERED "NO" IN LINE (13), THEN THE SITE SHOULD COMPLY WITH THE FCC'S CONTROLLED OCCUPATIONAL RF EXPOSURE LIMITS FOR GROUND LEVEL EXPOSURE**

\*In this case, you may need to prepare an Environmental Assessment. See Instructions for Section III-C FCC Form 301.

**DETERMINATION OF COMPLIANCE WITH THE UNCONTROLLED/GENERAL POPULATION LIMIT**

Does line (12) exceed 20%..... ☐ Yes ☒ No (14)

**IF YOU ANSWERED "NO" IN LINE (14), THEN THE SITE SHOULD COMPLY WITH THE FCC'S UNCONTROLLED/GENERAL POPULATION RF EXPOSURE LIMITS FOR GROUND LEVEL EXPSURE. NO FURTHER STUDY REQUIRED.**

**IF YOU ANSEWERED "YES" IN LINE (14), CONTINUE.**