

RF Worksheet #1 - FM (Including translators and boosters)

Effective Radiation Center Height

Line #

Enter the proposed "Height of radiation center above ground" or as listed in Line 1 of Worksheet 1A	69 m	
	69 m	(1)
Is the Antenna supporting structure located on the roof of a building	NO	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	0 m	(3)
Subtract Line (3) from Line (1)	69 m	(4)
Subtract the value 2.0 from Line (4)	67 m	(5)

Total Effective Radiated Power

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

List Effective Radiated Power in the Horizontal Plane	0.2 kW	(6)
List Effective Radiated in the Vertical Plane	0.2 kW	(7)
Add lines 6 and 7 OR listed value from line 2 in Worksheet 1A	0.4 kW	(8)

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

Multiply line 8 by 3341	1336.4	(9)
Multiply the value listed in line 5 by itself	4489.0	(10)
Divide line 9 by line 10	0.298	(11)
Multiply line 11 by .5	0.149 %	(12)

DETERMINATION OF COMPLIANCE WITH CONTROLLED/OCCUPATIONAL LIMIT

Does Line 12 exceed 100% NO 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 CONTROLLED/OCCUPATIONAL RF EXPOSURE LIMITS FOR GROUND LEVEL EXPOSURE. #

DETERMINATION OF COMPLIANCE WITH UNCONTROLLED/GENERAL POPULATION LIMIT

Does Line 12 exceed 20% 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 EXPOSURE. NO FURTHER STUDY REQUIRED

IF YOU ANSWERED "YES" IN LINE (14), CONTINUE