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In order to prevent exposure of humans to RF emissions in excess of the FCC guidelines (OET Bulletin 65, Edition 97-01, released August 1997), non-ionizing radiation warning signs have been posted at the WQKK-FM1 transmission site.

The WQKK-FM1 antenna structure is a 2 story building with a penetrating mount tripod at the roof peak. Rooftop access is enabled with the use of a portable extension ladder at the rear of the building. RF signs have been placed at the base of the building in the rear at street level, and also on the roof at the base of the tripod. There is no roof access to the general public.

Please see attached completed RF exposure worksheets from FCC Form 303S.

**RF Worksheet #1 – FM (including translators & boosters)**

**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 11.0 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..... 7.77 m (3)

Subtract Line (3) from Line (1)..... 3.23 m (4)

Subtract the value 2.0 from Line (4)..... 1.23 m (5)

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**TOTAL EFFECTIVE RADIATED POWER**

(If “beam tilt” is utilized, list maximum values)

List Effective Radiated Power in the Horizontal Plane..... .02 kW (6)

List Effective Radiated Power in the Vertical Plane..... .02 kW (7)

Add Lines (6) and (7) OR list value from Line 2 in Worksheet 1A..... .04 kW (8)

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

Multiply Line (8) by 33.41 ..... 1.34 (9)

Multiply the value listed in Line (5) by itself..... 1.51 (10)

Divide Line (9) by Line (10) ..... .88 (11)

Multiply Line (11) by (100) ..... 88.74 (12)

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**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**

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**\*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 EXPOSURE. NO FURTHER STUDY REQUIRED.**

**IF YOU ANSWERED “YES” IN LINE (14), CONTINUE.**

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**ROOFTOP WITH RESTRICTED ACCESS.**

If you answered “YES” in Line (14) and “YES” in Line (2) (indicating that the tower is located on the roof of a building), and the general public is not allowed access to the rooftop level, repeat lines 5 through 12, entering the value in Line (1) directly in Line (4). (If Multiple FM Use tower, recalculations should be in accordance with instructions on Worksheet #1A.) **Otherwise, go to the next section.**

Upon recalculation, does Line (12) exceed 20%..... ☐ Yes ☒ No (15)

**IF YOU ANSWERED “YES” IN LINE (15), THE WORKSHEETS MAY NOT BE USED IN THIS CASE. \***

**IF YOU ANSWERED “NO” IN LINE (15), THEN THE AREA AT GROUND LEVEL SHOULD COMPLY WITH THE FCC’S UNCONTROLLED/GENERAL POPULATION EXPOSURE LIMIT. NO FURTHER STUDY REQUIRED.**

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**ACCESS TO BASE OF TOWER RESTRICTED BY FENCING.**

If the tower is not located on the roof of a building, is the base of the tower surrounded by fencing or other restrictive barrier and are appropriate warning signs posted on the fence that adequately detail the nature of the RF exposure environment contained therein?.....

☐ Yes ☐ No (16)

**IF YOU ANSWERED “NO” IN LINE (16), THE WORKSHEET MAY NOT BE USED IN THIS CASE.\***

If you answered “Yes” in Line (16), what is the distance from the base

of the tower to the fence or barrier at its nearest point..... \_\_\_\_\_ m (17)

Multiply Line (9) (as calculated previously) by 5..... \_\_\_\_\_ (18)

Subtract Line (10) (as calculated previously) from Line (18)..... \_\_\_\_\_ (19)

Take the square root of Line (19)..... \_\_\_\_\_ m (20)

Is Line (20) less than or equal to Line (17)..... ☐ Yes ☐ No (21)

**IF YOU ANSWERED “YES” IN LINE (21), THEN THE RF FIELD OUTSIDE THE FENCE COMPLIES WITH THE FCC’S UNCONTROLLED/GENERAL POPULATION EXPOSURE LIMIT. NO FURTHER STUDY REQUIRED.**

**IF YOU ANSWERED “NO” IN LINE (21), THE WORKSHEETS MAY NOT BE USED IN THIS CASE.\***

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