

Environmental Statement
WVUM, Coral Gables, FL
July 2021

Section 106 Review

The proposed translator antenna will be mounted on an existing structure. The existing tower was built in 2017 and complies with the current programmatic agreement. The antenna collocation programmatic agreement generally permits collocation without consultation or review under Section 106 Subpart B of 36CFR Part 800. No further review is necessary as:

- The mounting of the antenna will not result in a substantial increase in the size of the antenna or tower structure.
- Prior to the collocation, the tower or structure has not been determined by the FCC to have an effect on one or more historic properties,
- The tower or structure is not the subject of a pending environmental review,
- The collocation licensee has not received a written or electronic notification that the FCC is in receipt of a complaint that the collocation has an adverse effect on one or more historic properties.
- The tower is presently registered as ARN 1303587

FCC Part 1.1306

- The site is not within an officially designated wilderness area or wildlife preserve.
- The mounting of the antenna will not effect endangered species.
- The site is not in a floodplain.
- The mounting of the antenna will not involve a significant change in surface features.
- The tower will not use high intensity white lights.
- The mounting of the antenna does not exceed human exposure limits. See below.
 - Compliance with RF safety requirements in accordance with FCC part 1.1306(8)b) as demonstrated below. The operation does not exceed human exposure limits.

The licensee will coordinate with all other users of the tower to provide reduce power or suspend operation when personnel are climbing on the tower in an area where occupational exposure levels may be exceeded.

Environmental Statement WVUM, Coral Gables, FL July 2021

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

Effective Radiation Center Height Line

Enter the proposed "Height of radiation center above ground"	75 m	
or as listed in Line 1 of Worksheet 1A	75 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)	75 m	(4)
Subtract the value 2.0 from Line (4)	73 m	(5)

Total Effective Radiated Power

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

List Effective Radiated Power in the Horizontal Plane	4.4 kW	(6)
List Effective Radiated in the Vertical Plane	4.4 kW	(7)
Add lines 6 and 7 OR listed value from line 2 in Worksheet 1A	8.8 kW	(8)

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

Multiply line 8 by 3341	29400.8	(9)
Multiply the value listed in line 5 by itself	5329.0	(10)
Divide line 9 by line 10	5.517	(11)
Multiply line 11 by .5	2.759 %	(12)

DETERMINATION OF COMPLIANCE WITH CONTROLLED/OCCUPATIONAL LIMIT

Does Line 12 exceed 100%	NO YES/NO	(13)
--------------------------	----------------	------

Environmental Statement
WVUM, Coral Gables, FL
July 2021

**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**