

# RADIOTECHNIQUES

402 Tenth Avenue • PO Box 367 • Haddon Heights, NJ 08035  
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**Exhibit 17**  
**Environmental Statement**  
**W275BV-Winchester, VA**  
**September 2014**

## **Section 106 Review**

The existing tower was built prior to March 16, 2001. The antenna collocation programmatic agreement generally allows 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 tower.
- Prior to the collocation, the tower has not been determined by the FCC to have an effect on one or more historic properties,
- The tower 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.

## **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 change in surface features.
- The tower is not lit.
- 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) is demonstrated below. The operation does not exceed human exposure limits.

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

### Effective Radiation Center Height

Line #

Enter the proposed "Height of radiation center above ground"	39 m	
or as listed in Line 1 of Worksheet 1A	39 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		1
If line 2 is "NO" enter "0" in Line 3	0 m	(3)
Subtract Line (3) from Line (1)	39 m	(4)
Subtract the value 2.0 from Line (4)	37 m	(5)

### Total Effective Radiated Power

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

List Effective Radiated Power in the Horizontal Plane	0.25 kW	(6)
List Effective Radiated in the Vertical Plane	0.25 kW	(7)
Add lines 6 and 7 OR listed value from line 2 in Worksheet 1A	0.5 kW	(8)

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

Multiply line 8 by 3341	1670.5	(9)	16705.0
Multiply the value listed in line 5 by itself	1369.0	(10)	1521.0
Divide line 9 by line 10	1.220	(11)	10.983
Multiply line 11 by .5	0.610 %	(12)	5.5 %

### DETERMINATION OF COMPLIANCE WITH CONTROLLED/OCCUPATIONAL LIMIT

Does Line 12 exceed 100%	NO YES/NO	(13)	NO
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IF YOU ANSWERED "YES" IN LINE 13, THE WORKSHEETS MANY 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. #