BDNED-20100702DCE

ORIGINAL

LERMAN SENTER PLLC

WASHINGTON, DC

2010 JUL -2 A 5:37

RECEIVED

BRIAN M. MADDEN
202.416.6770
BMADDEN@LERMANSENTER.COM

June 29, 2010

FILED/ACCEPTED

JUN 29 2010

Federal Communications Commission
Office of the Secretary

Ms. Marlene Dortch
Secretary
Federal Communications Commission
445 Twelfth Street, S.W.
Washington, DC 20554

Dear Ms. Dortch:

On behalf of The Trustees of the University of Pennsylvania, licensee of Station WXPN(FM), Philadelphia, Pennsylvania (Facility ID No. 68229), there is transmitted herewith a Notification of Increased FM Digital Power using the station's operation of iBiquity Digital Corporation's HD radio technology.

If any additional information is desired in connection with this matter, please contact the undersigned counsel.

Very truly yours,

Brian M. Madden

BMM:dm

Enclosure

June 24, 2010

Marlene H. Dortch, Secretary
Federal Communications Commission
Digital Radio Notification
445 Twelfth Street, S.W.
Room 2-B450
Washington, D.C. 20554

Re: WXPN, FM, Philadelphia, PA, 88.5 MHz, Channel 203
Facility Identification Number: 68229
Notification of Increased FM Digital Power

Dear Ms. Dortch:

The Trustees of the University of Pennsylvania hereby notifies the Commission of increased FM digital power using iBiquity Digital Corporation's HD Radio technology. Consistent with the Commission's recent Order on increased FM digital power, The Trustees of the University of Pennsylvania hereby supplies the following information in support of this notification.

1. Call sign and facility identification of the station:
WXPN
68229

2. The Trustees of the University of Pennsylvania increased FM digital power on June 18, 2010.

3. The Trustees of the University of Pennsylvania increased the FM digital power from -20 dBc to -14 dBc. The occupied bandwidth measurements were conducted immediately following the power increase per 47 CFR 73.1590 / 47 CFR 73.317 and all emissions were found to comply with the applicable limits.

4. Technical Reference: In the event of interference, questions should be directed to The Trustees of the University of Pennsylvania's technical representative:
Jared Styles, WXPN Director of Engineering
215-898-6677

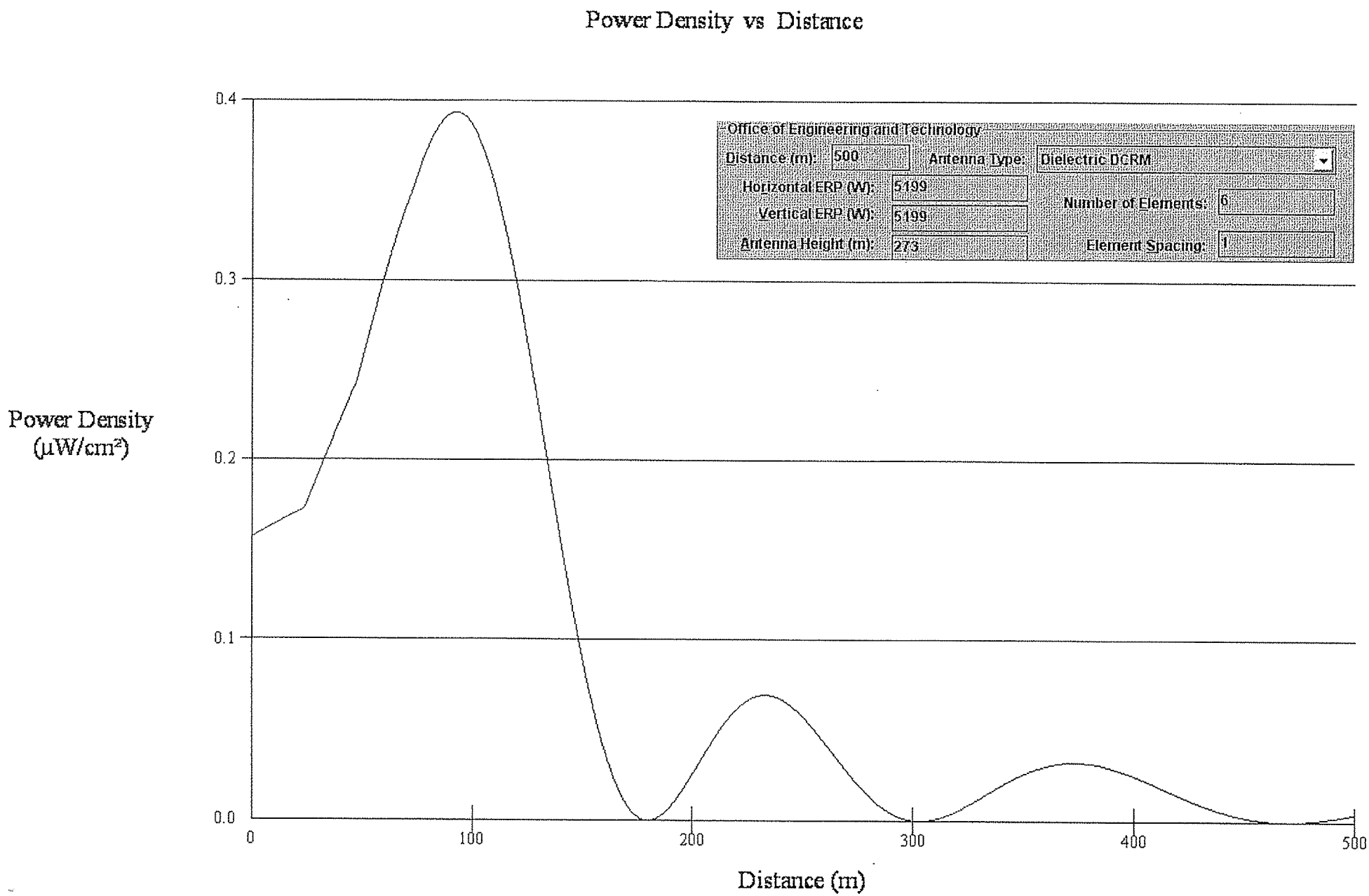
5. The Trustees of the University of Pennsylvania hereby certifies its analog effective radiated power remains at the authorized 5 kW after the increase of FM digital power to 0.199kW at -14 dBc.

6. Transmitter Power Output: A single transmitter is used and the analog component remains at 2.6 kW while the digital component adds 0.103 kW for a combined output of 2.703 kW.

10. The Trustees of the University of Pennsylvania hereby certifies that its increase of FM digital power will not cause human exposure to levels of radio frequency radiation in excess of Section 1.1310 of the Commission's rules and is therefore categorically excluded from the environmental processing pursuant to Section 1.1306(b). The present WXPN main antenna (centered at 273 meters AGL) is employed for both the analog and digital transmission. A

prediction of RF Power Density at two meters AGL was performed using the FCC OET "FM Model" software. As shown in the attached plot, predicted values are well below one percent of the general population/uncontrolled guideline; therefore, WXPN's operations remain categorically excluded from environmental processing.

Lori Doyle, VP Communications
University of Pennsylvania


Power Density vs Distance
Office of Engineering and Technology
Distance (m): 500
Antenna Type: Dielectric DCRM
Horizontal ERP (W): 5199
Vertical ERP (W): 5199
Number of Elements: 6
Antenna Height (m): 273
Element Spacing: 1
Power Density (μW/cm²)
0.4
0.3
0.2
0.1
0.0
0
100
200
300
400
500
Distance (m)