

Name of Licensee: RELEVANT RADIO, INC.

Station Location: WASHINGTON, DC

Frequency (kHz): 1260

Station Class: B

Antenna Coordinates:

Day

Latitude: N 38 Deg 59 Min 59 Sec

Longitude: W 77 Deg 03 Min 27 Sec

Night

Latitude: N 38 Deg 59 Min 59 Sec

Longitude: W 77 Deg 03 Min 27 Sec

Transmitter(s): Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Nominal Power (kW): Day: 25.0 Night: 5.0

Antenna Input Power (kW): Day: 26.3 Night: 5.4

Antenna Mode: Day: DA Night: DA

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Current (amperes): Day: 22.95 Night: 10.39

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1042695	
2	1042696	

Night:

Tower No.	ASRN	Overall Height (m)
1	1042694	
2	1042695	
3	1042696	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 1639.1 Night: 741.1

Standard RMS (mV/m/km): Day: 1721.4

Augmented RMS (mV/m/km): Night: 779.7

Q Factor: Day: Night: 35.1

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	90.0
2	0.6050	-185.000	160.0000	145.000	0	90.0

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	4.000	10.0000	165.500	0	90.0
2	0.5550	151.300	80.0000	325.000	0	90.0
3	0.5550	-151.300	80.0000	145.000	0	90.0

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	15.0	62.0	118.00
2	15.0	25.0	195.00
3	52.0	12.0	60.00
4	280.0	10.0	61.20

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
2	0	1
3	-177	0.619

Night Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
1 0	1
2 177.6	0.509
3 -112.3	0.285

Antenna Monitor: POTOMAC INSTRUMENTS 1901

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Day Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
57	4.81	39.4
233	5.05	39.5

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
52	5.58	2.89
198	5.31	115
280	4.38	4.4
325	2.57	63.5

Special operating conditions or restrictions:

- 1 The permittee/licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

Special operating conditions or restrictions:

2 Location of Monitor Points:

Direction of 52° true North. The measurement point is located on the northeast edge of the creek, on a line between the corner of the parking area and the west end of the spillway, Burnt Mills West Special Park, Columbia Pike (Rt. 29), Silver Spring, MD.

Direction of 57° true North. The measurement point is located on the curb, north side of the street opposite the front door to #10405 Lorain Avenue, Silver Spring, MD.

Direction of 198° true North. The measurement point is located atop the water meter cover located on the south side of Fessenden Street, NW, adjacent to the stop sign at the intersection with 39th Street, NW, Washington, DC.

Direction of 233° true North. The measurement point is located atop the storm sewer cover adjacent to the fire hydrant in front of house #6204 Kennedy Drive, Bethesda, MD.

Direction of 280° true North. The measurement point is located at the end of the entrance walkway where it meets the street at #5225 Acacia Avenue, Bethesda, Md.

Direction of 325° true North. The measurement point is located on the sidewalk in line with the storm sewer, southwest of the stop sign, exit lane for Kensington Park Retirement Community, 3620 Littledale Road, Kensington, MD.

3 Antenna System Description:

The existing antenna system consists of three towers. The center tower is a skirted, guyed tower with the top portion detuned to achieve a 90 degree tall tower. The north and south towers are tapered self-supporting towers, 90° in height.

Ground System:

Existing ground system consists of 120 equally spaced, buried, copper radials about the base of each tower, each 59.7 meters in length except where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers.

The tall center tower (#1) supports the main and auxiliary antenna for WWDC-FM, the antenna used for the auxiliary operations of WASH-FM, WMZQ-FM, WIHT(FM), WBIG-FM and WDDN-LP(main), and multiple antenna for various cellular and land mobile facilities.

*** END OF AUTHORIZATION ***