

Name of Licensee: CHESAPEAKE-PORTSMOUTH BROADCASTING CORPORATION

Station Location: NEWPORT NEWS, VA

Frequency (kHz): 1270

Station Class: B

Antenna Coordinates:

Day

Latitude: N 37 Deg 01 Min 52 Sec

Longitude: W 76 Deg 22 Min 00 Sec

Night

Latitude: N 37 Deg 01 Min 52 Sec

Longitude: W 76 Deg 22 Min 00 Sec

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

Nominal Power (kW): Day: 1.5 Night: 0.90

Antenna Input Power (kW): Day: 1.5 Night: 0.97

Antenna Mode: Day: ND Night: DA

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

Current (amperes): Day: 5.42 Night: 4.41

Resistance (ohms): Day: 51 Night: 50

Non-Directional Antenna: Day

Radiator Height: 59 meters; 90 deg

Theoretical Efficiency: 305.8 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	
1	None	59.9

Night:

Tower No.	ASRN	
1	None	59.9
2	None	59.9
3	None	59.9

## DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 296.45

Standard RMS (mV/m/km): Night: 309.51

Augmented RMS (mV/m/km):

Q Factor: Night:

Theoretical Parameters:

Night 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	1.7680	201.500	85.0000	355.000	0	90.0
3	1.7360	344.900	170.0000	355.000	0	90.0

\* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	159.1	0.592
2	0	1
3	146.7	0.944

Antenna Monitor: POTOMAC INSTRUMENTS AM-1901

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
36	3.3	12.17
238.5	3.67	50.28
314	3.09	28.82
355	3.04	59.15

\*\*\* END OF AUTHORIZATION \*\*\*