

PROPOSED OPERATING PARAMETERS

PROPOSED WKOI-DT  
CHANNEL 39 – RICHMOND, INDIANA  
[MODIFICATION OF BPCDT-19990601KF]

Transmitter Power Output:	20.0 kw
Transmission Line Efficiency:	78.3%
Antenna Power Gain – Main Lobe:	33.44
Effective Radiated Power – Main Lobe:	500 kw
Transmitter Make and Model:	Type-accepted
Rated Output	20 kw
Transmission Line Make and Model:	Andrew MACX675B
Size and Type:	6 1/8" rigid
Length:	935 feet*
Antenna Make and Model:	Andrew ATW22H3-HSC1-39S
Orientation	90 degrees true
Beam Tilt	0.75 degrees
Effective Height Above Ground:	270 meters
Effective Height Above Mean Sea Level:	544 meters

\*estimated