

## PROPOSED OPERATING PARAMETERS

PROPOSED TELEVISION TRANSLATOR W52CL  
CHANNEL 50 - MACON, GEORGIA

Transmitter Power Output:	1.0 kw
Transmission Line Efficiency:	47.3%
Antenna Power Gain – Toward Horizon:	28.2
Antenna Power Gain – Main Lobe:	28.2
Effective Radiated Power – Toward Horizon:	13.3 kw
Effective Radiated Power – Main Lobe:	13.3 kw
Transmitter Make and Model:	Type-accepted
Rated Output	1.0 kw
Transmission Line Make and Model:	Andrew HJ7-50A
Size and Type:	1-5/8" air heliax
Length:	570 feet
Antenna Make and Model:	Andrew ALP16L2-HSOC
Orientation	Omnidirectional
Beam Tilt	0.5 degrees
Effective Height Above Ground:	152 meters
Effective Height Above Mean Sea Level:	247 meters