

## PROPOSED OPERATING PARAMETERS

PROPOSED W67DF  
CHANNEL 45 - SPRINGFIELD, MASSACHUSETTS

Transmitter Power Output:	1.0 kw
Transmission Line Efficiency:	88.2%
Antenna Power Gain – Toward Horizon:	22.68
Antenna Power Gain – Main Lobe:	46.78
Effective Radiated Power – Toward Horizon:	20.0 kw
Effective Radiated Power – Main Lobe:	41.3 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:	98 feet
Antenna Make and Model:	Andrew ALP16L2-HSMR
Orientation	Directional, 180° T
Beam Tilt	1.25 degrees
Effective Height Above Ground:	9 meters
Effective Height Above Mean Sea Level:	364 meters