

DIGITAL COMPANION APPLICATION
JOSEPH W. SHAFFER
KTDF-LP LPTV STATION
CH 4 - 66-72 MHZ - 0.3 KW
SAN ANTONIO, TEXAS
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EXHIBIT C

KTDF-LP Digital Transmission System Calculations

Effective Radiated Power:	
Horizontal	0.3 kilowatts (maximum)
Antenna:	Scala Model TVO-4
Horizontal gain (maximum):	Power gain 1.995 (3.0 dBd)
Transmission Line:	Andrew Corporation LDF7-50A
(100 feet)	1 5/8 inch foam dielectric 95.9% efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.1568 kilowatt (156.8 watts)