

AMEND BDCCDVL-20110824AAZ
JOSEPH W. SHAFFER
KTDF-LP LPTV STATION
CH 4 - 66-72 MHZ - 1.8 KW
SAN ANTONIO, TEXAS
August 2011

EXHIBIT C

KTDF-LP Digital Transmission System Calculations

Effective Radiated Power:	
Horizontal	1.8 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:	0.9408 kilowatt (940.8 watts)