Chesapeake RF Consultants, LLC
Radiofrequency Consulting Engineers
Digital Television and Radio

Table 1

Antenna / Line System Gains and Losses

prepared for

Delta Media Corporation

KFXZ-FM Opelousas, LA

Facility ID 9416

Modification of License for Replacement Nondirectional Antenna

License File Number: BLH-19980504KF

Authorized Effective Radiated Power: 3.40 kW

Antenna System

BEXT TFC2K-3 Power Gain: 1.550

3 elements, 1 wavelength spacing

Antenna Input Power: 2.19 kW

Line and Other Losses

Transmission Line Efficiency: 76.8%

LDF6-50 1-1/4" coax (450 ft length)

Other Losses

None

Transmitter Power Output: 2.856 kW

Rounded per §73.212: 2.85 kW