

PHASETEK INC.
TPO CALCULATION

APPLICANT: ALABAMA RADIO CORPORATION

CALL SIGN: W239AP

FREQUENCY: 95.7 MHz

CHANNEL: 239D

ANTENNA MAKE: SHIVELY LABS INC.

ANTENNA MODEL: 6812B-1

ANTENNA POWER GAIN: 0.46

TRANSMISSION LINE: ANDREW AVA5-50FX

TRANSMISSION LINE LENGTH: 520 FT.

TRANSMISSION LINE ATTENUATION: 0.346 dB/100 FT.

TRANSMISSION LINE EFFICIENCY AT 520 FT.: 66.08%

TOTAL SYSTEM GAIN/LOSS: -5.1716 dB

RATIO TPO/ERP: 3.2897

SPECIFIED ERP: 0.099 kW

CALCULATED TRANSMITTER OUTPUT POWER: 0.326 kW