

TRANSMITTER POWER OUTPUT – W276CW, ATLANTIC CITY, NJ FM TRANSLATOR

THE TPO WAS CALCULATED BASED ON THE FOLLOWING:

ANTENNA POWER GAIN = 0.46 (SHIVELY 6812-1), 1 BAY, CIRCULARLY POLARIZED ANTENNA).

142' OF 1/2 INCH FOAM TRANSMISSION LINE & POLY PHASER & 6' JUMPER = 75.94% EFFICIENCY.

AUTHORIZED ERP = 0.013 KW

FINAL CALCULATION OF TPO = 0.013 KW AUTHORIZED ERP DIVIDED BY 0.46 ANTENNA POWER GAIN DIVIDED BY 75.94% LINE EFFICIENCY = 0.037 KW (37 WATTS) TRANSMITTER POWER OUTPUT.