

APPLICATION FOR STATION LICENSE
RADIO PERRY, INC.
WPGA-DT TELEVISION STATION
CH 32 - 578-584 MHZ - 100.0 KW
PERRY, GEORGIA
December 2007

EXHIBIT A

WPGA-DT Transmission System Calculations

Effective Radiated Power:	
Horizontal	100.0 kilowatts (20.00 dBk)

Antenna:	Dielectric Communications TLP-16J (C)
Horizontal gain (maximum):	Power gain 32.0 (15.05 dB)

Transmission Line:	Dielectric 3 inch TL
(770 feet)	3 inch rigid air dielectric
	63.9% efficiency
	1.94 db attenuation

Required Transmitter Power Output To Reach Effective Radiated Power (peak):	4.89 kilowatts (6.89 dBk)
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Facilities Authorized:	Channel 32 (578-584 MHz)
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Effective Radiated Power:	100.0 kW (H)
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Geographic Coordinates:	North Latitude	32° 45' 04"
	West Longitude	83° 33' 27"

Antenna Center of Radiation:	Above Ground	207.2 meters
	Above MSL	302.6 meters
	HAAT	185.7 meters

FCC Tower Registration Number:	1019967
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