

**APPLICATION FOR STATION LICENSE**  
**CODCOMM, INC.**  
**WPXC (FM) RADIO STATION**  
**CH 275B1 - 102.9 MHZ - 6.8 KW**  
**HYANNIS, MASSACHUSETTS**  
**August 2013**

**EXHIBIT A**

**WPXC Transmission System Calculations**

Effective Radiated Power:	6.8 Kilowatts (Horizontal/Vertical)
Antenna:	Shively Labs 6014-2 2 bay full wavelength spaced panel antenna
Power Gain:	0.98
Transmission Line: (387 feet)	Andrew HJ7-50A 1 5/8" air dielectric 82.9% Efficiency
Combiner	Shively 93.3% Efficiency
RF Switch	0.1 dB loss 97.72% Efficiency
Transmission Line (10 feet)	1 5/8" air dielectric rigid 0.021 dB loss 99.5% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	9.23 Kilowatts (9,230 watts)

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**EXHIBIT A (continued)**

**WPXC Transmission System Calculations**

Facilities Authorized:	Channel 275B1 - 102.9 MHZ
Effective Radiated Power:	6.8 kilowatts (H/V)
Geographic Coordinates:	North Latitude 41° 41' 20"
	West Longitude 70° 20' 49"
Antenna Center of Radiation:	AGL 113.0 meters
	Above MSL 151.0 meters
	HAAT 144.0 meters
ASRN:	1231034