ANTENNA / LINE SYSTEM GAINS AND LOSSES
prepared September 2023 for
Craven Community College
W210CF(FX) Greenville, NC
Facility ID 14355
Ch. 210D 89.9 MHz 0.17 kW

Proposed Effective Radiated Power:	**0.170 kW**	**-7.696 dBk**

Antenna System
NWE34 Dominator

Max Power Gain:	2.000	3.010 dB
Antenna Input Power:	0.085 kW	**-10.706 dBk**

Line and Other Losses

94 feet, Commscope AVA5-50 7/8" foam-dielectric cable at 0.332 dB/100 feet	Loss:	0.312 dB
	Total Loss:	0.312 dB

Transmitter Post-Mask Power Output:	**0.091 kW**	**-10.394 dBk**