Table II

ANTENNA / LINE SYSTEM GAINS AND LOSSES

prepared November 2022 for

University of North Texas

KNTU(FM) Auxiliary McKinney, TX

Facility ID 69003

Chan 201C1 79 kW 111 m

Proposed Effective Radiated Power:	**79.000 kW**	**18.98 dBk**

Antenna System

Jampro JSCP-6R-DA

Max Power Gain:	4.074	6.10 dB
Antenna Input Power:	19.409 kW	**12.88 dBk**

Line and Other Losses

390 feet, 4" Heliax 4" air-dielectric cable at 0.1 dB/100 feet	Loss:	0.39 dB
30 feet, 3-1/8" Hard Line 3-1/8" air-dielectric cable at 0.087 dB/100 feet	Loss:	0.03 dB
	Total Loss:	0.42 dB

Transmitter Power Output: (Rounded per §73.212)	**21.5 kW**	**13.30 dBk**