

Exhibit 7 - Table 1
ANTENNA / LINE SYSTEM GAINS AND LOSSES
prepared May 2018 for
Board of Regents, University of Wisconsin System
WUWM(FM) Milwaukee, WI
Facility ID 4285
Chan 209A 0.34 kW 63.2m

Proposed Effective Radiated Power:	0.340 kW	-4.69 dBk
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Antenna System

Shively 6822-1

Max Power Gain:	0.455	-3.42 dB
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Antenna Input Power:	0.746 kW	-1.27 dBk
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Line and Other Losses

225 feet, Andrew LDF5-5-A 7/8" foam-dielectric cable at 0.34 dB/100 feet	Loss:	0.77 dB
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Shively 2930 Combiner with 3 Cavities P/N 2930-2/3-06-FB	Loss:	0.75 dB
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Total Loss:	1.52 dB
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<u>Transmitter Power Output:</u>	1.05 kW	0.25 dBk
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