

Table 1
ANTENNA / LINE SYSTEM GAINS AND LOSSES
prepared March 2021 for
KNDK, Inc.
K254DC Langdon, ND
Facility ID 200261
Chan 254D 0.07 kW 553.4 m AMSL

Proposed Effective Radiated Power:	0.070 kW	-11.55 dBk
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Antenna System

PSI PSIFMT-2A-6DB

Max Power Gain:	1.780	2.50 dB
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Antenna Input Power:	0.039 kW	-14.05 dBk
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Line and Other Losses

475 feet, RFS LCF12-50JFN	Loss:	3.10 dB
1/2" foam-dielectric cable at 0.653 dB/100 feet		

LBA CAMI-500 Iso Coupler	Loss:	0.60 dB
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Total Loss:	3.70 dB
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<u>Transmitter Power Output:</u>	0.092 kW	-10.35 dBk
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