Table 1

**ANTENNA / LINE SYSTEM GAINS AND LOSSES**

prepared March 2018 for

**Eagle Communications, Inc.**

K223CY Alliance, NE

Facility ID 201177

Ch. 223D 0.25 kW 51 m AGL

| | | |
|---|---|---|
| **Proposed Effective Radiated Power:** | **0.250 kW** | **-6.02 dBk** |

**Antenna System**

Shively 6812C-2 Full Wave Spaced

| | | |
|---|---|---|
| Max Power Gain: | 1.010 | 0.04 dB |
| **Antenna Input Power:** | 0.248 kW | **-6.06 dBk** |

**Line and Other Losses**

| | | |
|---|---|---|
| 938 feet, RFS LCF158-50JA<br>1-5/8" foam-dielectric cable at 0.19 dB/100 feet | Loss: | 1.78 dB |
| | **Total Loss:** | 1.78 dB |

| | | |
|---|---|---|
| **Transmitter Power Output:** | **0.373 kW** | **-4.28 dBk** |